

JVC



COMPACT COMPONENT SYSTEM

SISTEMAS DE COMPONENTES COMPACTOS

SISTEMA DE COMPONENTES COMPACTOS

组合音响系统

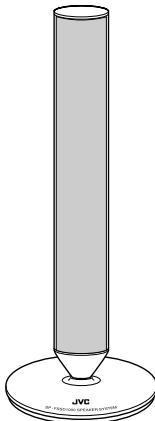
FS-SD1000

Consists of CA-FSSD1000, SP-FSSD1000 and SP-PW1000

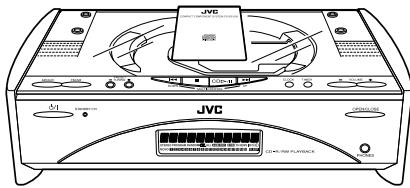
Consiste de CA-FSSD1000, SP-FSSD1000 y SP-PW1000

Consiste em CA-FSSD1000, SP-FSSD1000 e SP-PW1000

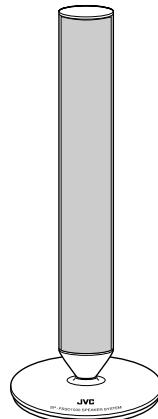
由CA-FSSD1000, SP-FSSD1000及SP-PW1000构成



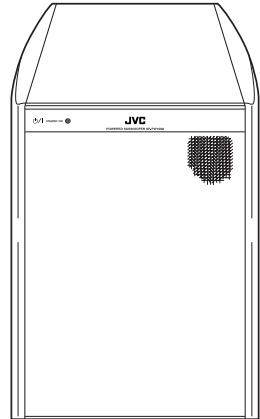
SP-FSSD1000



CA-FSSD1000



SP-FSSD1000



SP-PW1000

COMPACT
disc
DIGITAL AUDIO

INSTRUCTIONS

MANUAL DE INSTRUCCIONES

INSTRUÇÕES

使用说明书

For Customer Use:

Enter below the Model No. and Serial No. which are located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No.

Serial No.

LVT0685-002A
[UB, US, UW, UY]

Warnings, Cautions and Others Avisos, precauciones y otras notas Advertências, precauções e outras notas

警告，注意及其他须知事项

CAUTION

To reduce the risk of electrical shocks, fire, etc.:

1. Do not remove screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

PRECAUCIÓN

Para reducir riesgos de choques eléctricos, incendio, etc.:

1. No extraiga los tornillos, los cubiertas ni la caja.
2. No exponga este aparato a la lluvia o a la humedad.

PRECAUÇÃO

Para reduzir riscos de choques elétricos, incêndio, etc.:

1. Não remova parafusos e tampas ou desmonte a caixa.
2. Não exponha este aparelho à chuva nem à umidade.

注意

为了减低触电，火灾等危险：

1. 请勿擅自卸下螺丝钉，盖子或机壳。
2. 切勿让本机受雨淋或置于潮湿环境中。

Caution — Ⓛ/I switch!

Disconnect the mains plug to shut the power off completely. The Ⓛ/I switch in any position does not disconnect the mains line. The power can be remote controlled.

Precaución — Interruptor Ⓛ/I !

Desconectar el cable de alimentación para desactivar la alimentación totalmente. Cualquier que sea la posición de ajuste del interruptor Ⓛ/I, la alimentación no es cortada completamente. La alimentación puede ser controlada remotamente.

Precaução — Interruptor Ⓛ/I !

Desconectar o cabo de alimentação para desligar a alimentação por completo. Qualquer que seja a posição de ajuste do interruptor Ⓛ/I, a alimentação não é completamente cortada. A alimentação pode ser controlada remotamente.

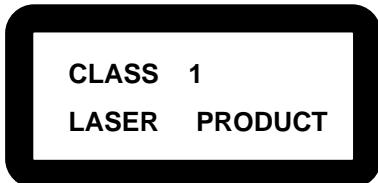
注意 — Ⓛ/I 开关！

无论 Ⓛ/I 开关在任何位置，电源线的电源还是没有被切断，若要将电源完全关闭，应把电源插头拔离插座。电源开关可用遥控器控制。

IMPORTANT FOR LASER PRODUCTS / IMPORTANTE PARA PRODUCTOS LÁSER/ IMPOTANTE PARA PRODUTOS LASER / 雷射产品的重要说明

REPRODUCTION OF LABELS / REPRODUCCIÓN DE ETIQUETAS/ REPRODUÇÃO DE ETIQUETAS / 标签内容说明

① CLASSIFICATION LABEL, PLACED ON EXTERIOR SURFACE	② WARNING LABEL, PLACED INSIDE THE UNIT
① ETIQUETA DE CLASIFICACION, PROVISTA SOBRE LA SUPERFICIE EXTERIOR	② ETIQUETA DE ADVERTENCIA, PEGADA EN EL INTERIOR DE LA UNIDAD
① ETIQUETA DE CLASSIFICAÇÃO LOCALIZADA NA PARTE POSTERIOR DA CAIXA DO APARELHO.	② ETIQUETA DE ADVERTÊNCIA LOCALIZADA NA PARTE INTERNA DA UNIDADE.
① 分类标签，贴在外部表面。	② 警告标签，贴于机内。



1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the Unit; leave all servicing to qualified service personnel.
1. PRODUCTO LÁSER CLASE 1
2. **PRECAUCIÓN:** En el interior hay radiación láser invisible. Evite el contacto directo con el haz.
3. **PRECAUCIÓN:** No abra la tapa superior. En el interior de la unidad no existen piezas reparables por el usuario; deje todo servicio técnico en manos de personal calificado.

1. PRODUTO LASER CLASSE 1
2. **CUIDADO:** O laser emite uma radiação invisível que é perigosa, caso o aparelho esteja aberto e a trava inoperante ou danificada. Evite exposição direta ao feixe dos raios.
3. **CUIDADO:** Não abra a caixa do aparelho. Não existem peças reparáveis pelo usuário na parte interna da unidade. Solicite assistência técnica somente a pessoal técnico qualificado.
1. 一级雷射产品。
2. 注意：当内部锁定装置失效或损坏后，打开盖板可能会产生不可见的雷射辐射。应避免受到光束直接照射。
3. 注意：请勿打开顶盖板。本机内部没有用户可自行维修的部件；所有维修工作应由有资格的人员完成。

Caution: Proper Ventilation

To avoid risk of electric shock and fire, and to prevent damage, locate the apparatus as follows:

1 Front: No obstructions and open spacing.

2 Sides/ Top/ Back: No obstructions should be placed in the areas shown by the dimensions below.

3 Bottom: Place on the level surface. Maintain an adequate air path for ventilation by placing on a stand with a height of 10 cm or more.

Precaución: el aparato debe estar bien ventilado

Para evitar posibles riesgos de descargas eléctricas e incendios y prevenir cualquier posible daño, coloque el aparato del modo siguiente:

1 Parte delantera: No ponga nada delante, deje el espacio libre.

2 Laterales/ parte superior/ parte trasera: No se debería colocar nada en las áreas y las distancias que se detallan a continuación.

3 Parte inferior: Coloque el aparato sobre una superficie recta. Debe haber buena circulación de aire; para ello, coloque el aparato sobre una base a una altura mínima de 10 cm.

Precaução: Ventilação adequada

Para evitar riscos de choques elétricos e incêndios, e prevenir avarias, instale o aparelho como segue:

1 Parte frontal: Sem obstruções e espaços abertos.

2 Partes laterais/ tampa/ posterior: Nenhuma obstrução deverá ser colocada entre as áreas cujas dimensões são indicadas abaixo.

3 Parte inferior: Instale-o sobre uma superfície plana. Deverá ser mantido espaço suficiente para a ventilação se este for instalado numa posição que tenha uma altura de 10 cm ou mais.

告诫：正确通风

为免发生触电和火警的危险，及防止本机受损，请将本机如下放置：

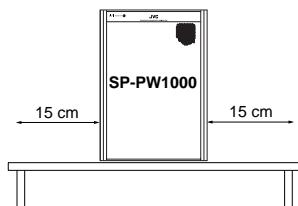
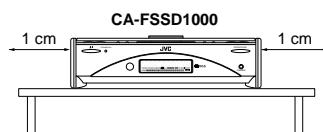
- 前面：没有障碍物及地方开关。
- 侧面／顶部／背面：在图中所示范围内，不应放置任何障碍物。
- 底部：放置在水面上。放置在一个高10厘米或以上的台上，以保持足够的通风通道。

Front view

Vista frontal

Visão frontal

前面

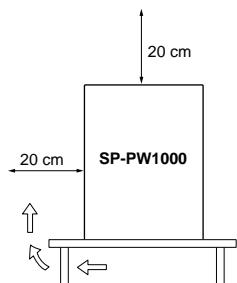


Side view

Vista lateral

Visão lateral

侧面



CAUTION

■ About the Internal Cooling Fan

This unit includes an internal cooling fan, so as to allow for high-power operation within a small space.

This fan comes on when the sound level is set high, and may also come on even at low sound levels if the internal temperature rises. To ensure effective fan operation, please leave at least 15cm clearance between the rear of the unit and the wall, and at least 1cm clearance on each side of the unit.

PRECAUCIÓN

■ Sobre el ventilador de refrigeración interno

El equipo incorpora un ventilador de refrigeración interno para cuando se utiliza a toda potencia.

El ventilador se pone en marcha cuando sube considerablemente el volumen o incluso a volúmenes bajos si la temperatura del interior aumenta. Para que el funcionamiento del ventilador sea óptimo, debe dejar al menos 15 cm de distancia entre el equipo y la pared, y como mínimo 1 cm a cada lado del equipo.

ATENÇÃO

■ Sistema Interno de Refrigeração

Este aparelho possui um ventilador para refrigeração interna, que permite seu desempenho de alta-potência dentro de um espaço reduzido.

O ventilador é ligado automaticamente quando o nível do som ficar muito alto, mas pode também ser acionado com o som baixo, caso a temperatura interna venha a subir. Para assegurar um bom funcionamento do ventilador interno, deixe a parte de trás de seu aparelho afastada pelo menos uns 15 cm da parede e mantenha um espaço de no mínimo 1 cm de cada lado do aparelho.

注意

■ 关于内部冷却风扇

本机内含一台内部冷却风扇，使高功率的操作可以在一个细小空间内进行。当音量水平设定为高时风扇会启动，而即使音量水平不高但机内温度题升时，风扇也可能会启动。为确保风扇能有效操作，请在本机背后与墙壁之间留有至少15 cm的空隙，并在本机的每一侧留有至少1cm的空隙。

CAUTION

1. Do not block the ventilation openings or holes.
(If the ventilation openings or holes are blocked by a newspaper or cloth, etc., the heat may not be able to get out.)
2. Do not place any naked flame sources, such as lighted candles, on the apparatus.
3. When discarding batteries, environmental problems must be considered and local rules or laws governing the disposal of these batteries must be followed strictly.
4. Do not use this apparatus in a bathroom or places with water. Also do not place any containers filled with water or liquids (such as cosmetics or medicines, flower vases, potted plants, cups, etc.) on top of this apparatus.

PRECAUCION!

1. No obstruya las rendijas o los orificios de ventilación.
(Si las rendijas o los orificios de ventilación quedan tapados con un periódico, un trozo de tela, etc., no se podrá disipar el calor).
2. No ponga sobre el aparato ninguna llama al descubierto, como velas encendidas.
3. Cuando tenga que descartar las pilas, tenga en cuenta los problemas ambientales y observe estrictamente los reglamentos o las leyes locales sobre disposición de las pilas.
4. No utilice este aparato en el cuarto de baño o en lugares donde hay agua. Tampoco coloque ningún recipiente que contenga agua u otros líquidos (frascos de cosméticos o medicinas, floreros, macetas, vasos, etc.) encima de este aparato.

CUIDADO

1. Não tape as aberturas ou os orifícios de ventilação.
(Se tapar as aberturas ou orifícios de ventilação com um jornal, um pano, etc., o calor não sai).
2. Não coloque objectos com chama, como velas acesas, em cima do aparelho.
3. Quando se desfizer das baterias, deve ter em consideração os problemas ambientais e respeitar integralmente os regulamentos e leis locais relativos à forma de deitar fora as baterias.
4. Não utilize este aparelho numa casa de banho ou em locais onde exista água. Também não deve colocar recipientes com água ou líquidos (como cosméticos ou remédios, jarras com flores, vasos com plantas, chávenas, etc.) em cima do aparelho.

注意

1. 请勿挡住通风口或孔。
(如通风口或孔被报纸或布料挡住，热力将不能排出。)
2. 请勿将任何明火源，例如点燃的洋烛，放在本设备上。
3. 丢弃电池时，必须考虑环境问题并严格遵循当地有关丢弃此类电池的规定和法律。
4. 请勿在浴室或有水的地方使用本设备。此外，请勿将盛有水或液体的容器（例如化妆品或药品、花瓶、盆栽、茶杯等）放在本设备上。

Introduction

Thank you for purchasing the JVC Compact Component System.
 We hope it will be a valued addition to your home, giving you years of enjoyment.
 Be sure to read this instruction manual carefully before operating your new stereo system.
 In it you will find all the information you need to set up and use the system.
 If you have a query that is not answered by the manual, please contact your dealer.

Features

Here are some of the things that make your System both powerful and simple to use.

- The controls and operations have been redesigned to make them very easy to use, freeing you to just enjoy the music.
 - With JVC's **COMPU PLAY** you can turn on the System and automatically start the Radio or CD Player with a single touch.
- The powered Subwoofer provides richness of bass in addition to faithful reproduction at low frequency.
- A 45-station preset capability (30 FM and 15 AM) in addition to auto-seek and manual tuning.
- CD options that include repeat, random and program play.
- Timer functions; Daily Timer and Sleep Timer.
- You can connect various external units, such as an MD recorder.
- The system can play CD-R and CD-RW after they have been **finalized**.
- You can play back your original CD-R or CD-RW recorded in Music CD format. (However they may not be played back depending on their characteristics or recording conditions.)



How This Manual Is Organized

- Basic information that is the same for many different functions - e.g. setting the volume - is given in the section 'Basic Operations', and not repeated under each function.
- The names of buttons/controls and display messages are written in all capital letters: e.g. FM/AM, "NO DISC".
- System functions are written with an initial capital letter only: e.g. Normal Play.

Use the table of contents to look up specific information you require.

We have enjoyed making this manual for you, and hope it serves you in enjoying the many features built into your System.

WARNINGS

- **DO NOT PUT ANYTHING ON THE TOP COVER. IF THE SYSTEM IS OPERATED WITH SOMETHING PUT ON THE TOP COVER, IT WILL BE DAMAGED WHEN YOU TRY TO OPEN THE TOP COVER.**
- **NEVER REMOVE THE TOP COVER FROM THE UNIT. SERIOUS INJURY MAY OCCUR IF THE SYSTEM IS OPERATED WITHOUT THE TOP COVER.**
- **SUPPLIED SPEAKERS (SP-FSSD1000) ARE EXCLUSIVELY FOR THIS SYSTEM. USING WITH OTHER DEVICES WILL DAMAGE THE SPEAKERS.**

IMPORTANT CAUTIONS

1 Installation of the System

- Select a place which is level, dry and neither too hot nor too cold. (Between 5°C and 35°C or 41°F and 95°F.)
- Leave sufficient distance between the System and a TV.
- Do not use the System in a place subject to vibrations.

2 Power cord

- Do not handle the power cord with wet hands!
- Some power is always consumed as long as the power cord is connected to the wall outlet.
- When unplugging the System from the wall outlet, always pull the plug, not the power cord.

3 Malfunctions, etc.

- There are no user serviceable parts inside. In case of system failure, unplug the power cord and consult your dealer.
- Do not insert any metallic object into the System.
- Do not insert your hand between the Top Cover and the main body when the Top Cover is being closed.

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Getting Started

Accessories

Make sure that you have all of the following items, which are supplied with the System.

- Power Cord (1)
- AM Loop Antenna (1)
- Remote Control (1)
- Batteries (2)
- FM Wire Antenna (1)
- Signal Cord (1)
- Spacers (4) (For SP-PW1000)
- AC Plug Adaptor (except for Hong Kong and Argentina) (1)

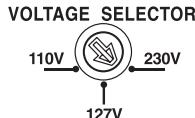
If any of these items are missing, contact your dealer immediately.

Set the VOLTAGE SELECTOR Switch (except for Hong Kong)

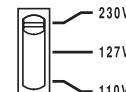
To avoid damaging the System, set the voltage before plugging in the System.

Set the correct voltage for your area with the VOLTAGE SELECTOR switch on the back of the Unit.

CA-FSSD1000



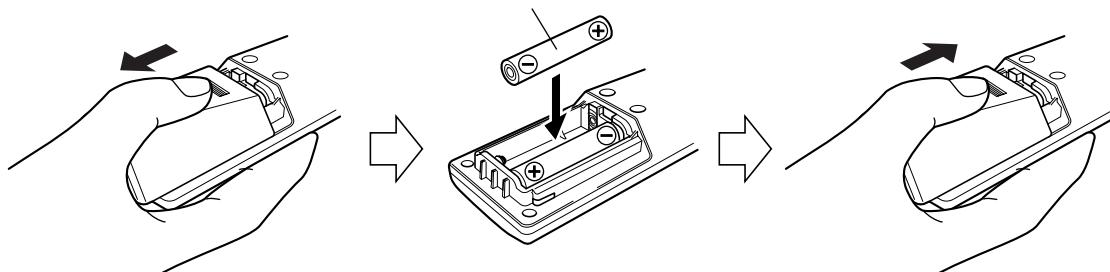
SP-PW1000



How To Put Batteries In the Remote Control

Match the polarity (+ and -) on the batteries with the + and - markings in the battery compartment.

R6P(SUM-3)/AA(15F)



CAUTION:

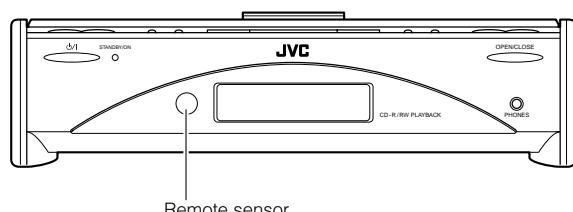
- Handle batteries properly.

- To avoid battery leakage or explosion:

- Remove batteries when the Remote Control will not be used for a long time.
- When you need to replace the batteries, replace both batteries at the same time with new ones.
- Do not use an old battery with a new one.
- Do not use different types of batteries together.

Using the Remote Control

The Remote Control makes it easy to use many of the functions of the System from a distance of up to 7m (23 feet) away. You need to point the Remote Control at the remote sensor on the System's front panel.



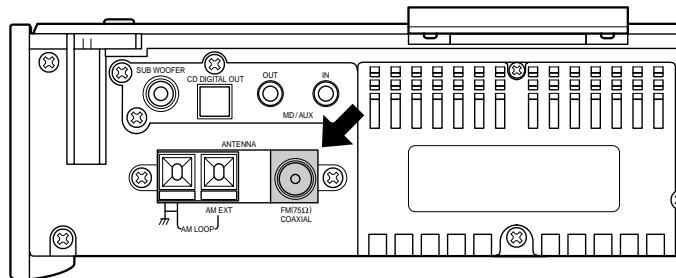
Getting Started

CAUTION:

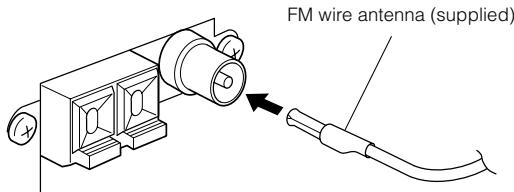
- Make all connections before plugging the System into an AC power outlet.

Connecting the FM Antenna

Rear Panel of the Center Unit (CA-FSSD1000)



Using the Supplied Wire Antenna

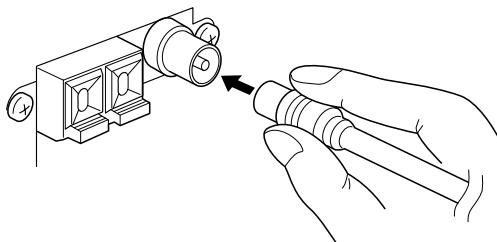


Note

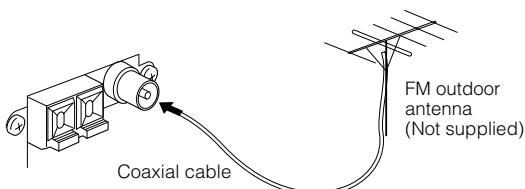
- Before attaching a 75Ω coaxial lead (the kind with a round wire going to an outdoor antenna), disconnect the supplied FM Wire Antenna.

Using the Coaxial Type Connector (Not Supplied)

A 75Ω antenna with coaxial type connector (IEC or DIN 45 325) should be connected to the FM 75Ω COAXIAL terminal.

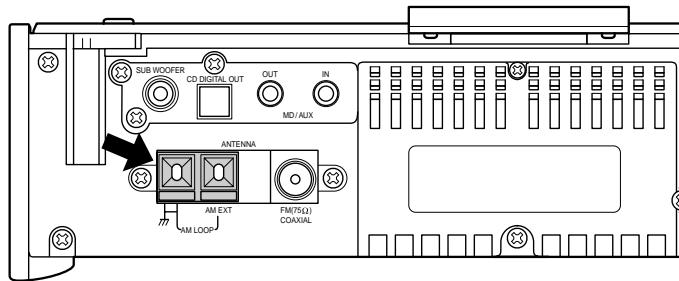


If reception is poor, connect the outdoor antenna.

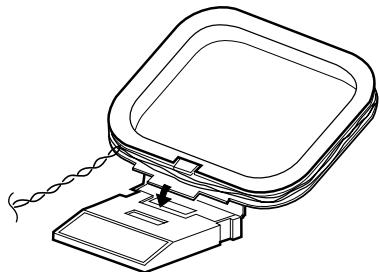


Connecting the AM Antenna

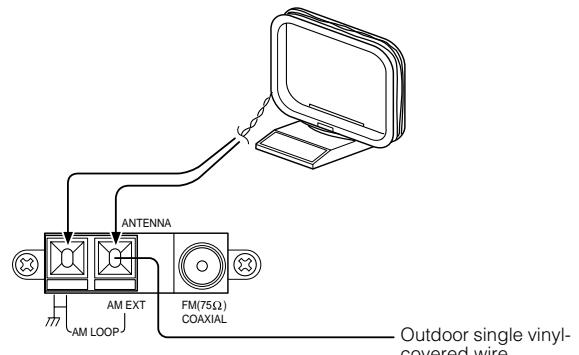
Rear Panel of the Center Unit (CA-FSSD1000)



AM loop antenna (Supplied)



Attach the AM loop to its base by snapping the tabs on the loop into the slot in the base.



Turn the loop until you have the best reception.

Notes

- If the AM loop antenna wire is covered with vinyl, remove the vinyl by twisting it as shown in the diagram.
- Make sure the antenna conductors do not touch any other terminals, connecting cords and power cord. This could cause poor reception.
- If reception is poor, connect an outdoor single vinyl-covered wire to the AM EXT terminal. (Keep the AM loop antenna connected.)



Getting Started

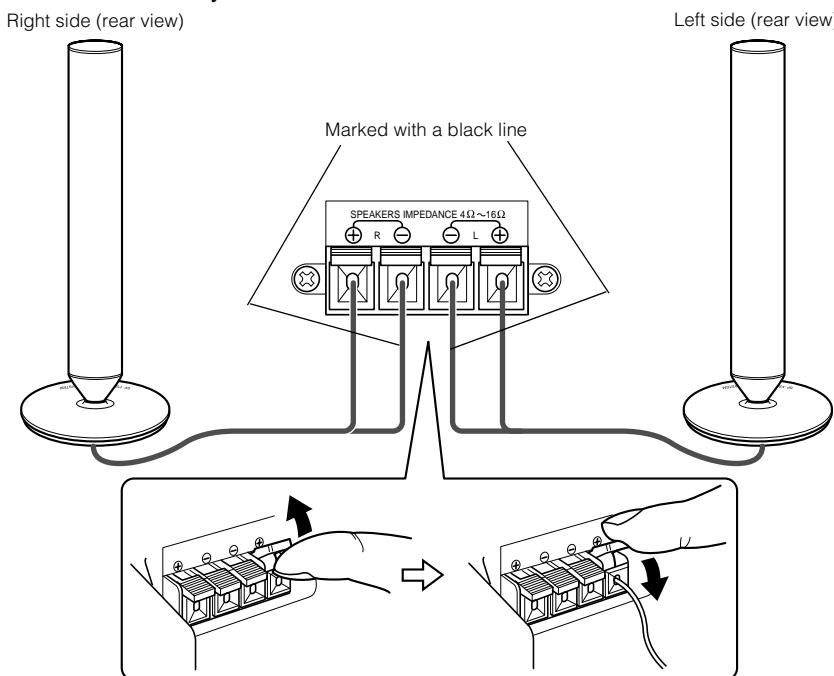
⚠ CAUTION:

- Make all connections before plugging the System into an AC power outlet.

Connecting the Speakers (SP-FSSD1000)

These speakers are exclusively for this system. Using with other devices will damage the speakers.

1. Open each of the terminals to connect the speaker wire leads.
2. Connect the speaker cords to the Speaker terminals of the Unit.
3. Close each of the terminals to securely connect the cords.

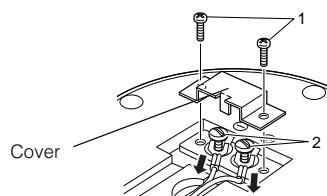


- Since both speakers are the same, you can put either one to the right or left side.

⚠ CAUTION:

- A TV may display irregular colors if located near the speakers. If this happens, set the speakers away from the TV.
- Take care not to short-circuit the wire leads for the speakers, as this will damage the center unit (CA-FSSD1000). We recommend that you use the high-quality speaker cord provided. However, if you want to use different cables, please observe the following.

- 1) Remove the screws on either side and remove the cover.
- 2) Loosen the terminal screws and remove the speaker cord.

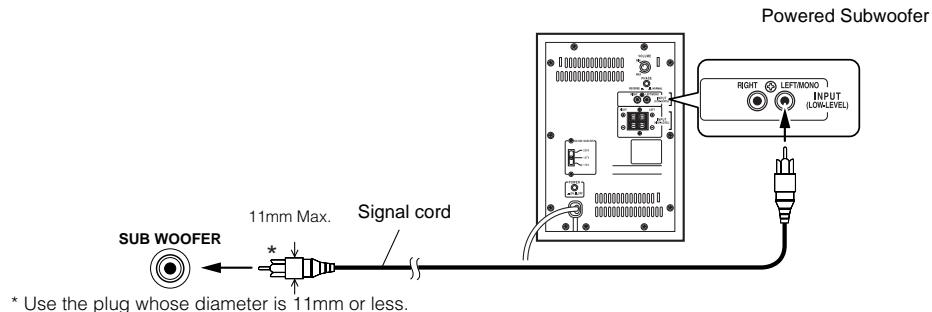


Warning

- To prevent short-circuits, always replace the cover.

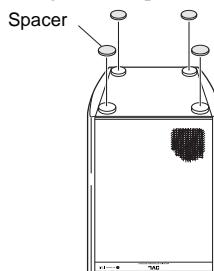
Connecting the Powered Subwoofer (SP-PW1000)

Connect a signal cord (supplied) between the System's SUBWOOFER terminal and the LEFT/MONO INPUT terminal of the Powered Subwoofer.



Attaching the Spacers

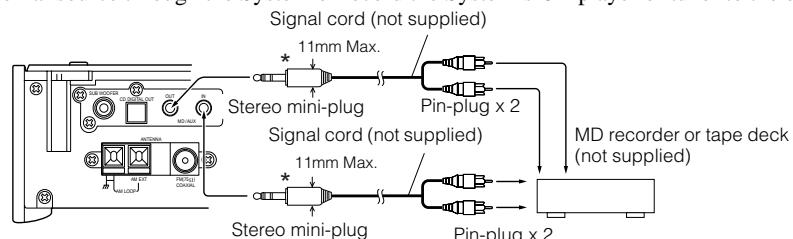
Attach the supplied spacers to the bottom of the powered subwoofer (SP-PW1000) to protect the cabinet, prevent slipping, and absorb the cabinet vibration. Peel off the backing from a spacer and attach it.



Connecting External Equipment

Connect signal cords (not supplied) between the System's MD/AUX-OUT/IN terminals and the output/input terminals of the external MD recorder, tape deck, etc.

You can then listen to the external source through the System or record the System's CD player or tuner to the external unit.

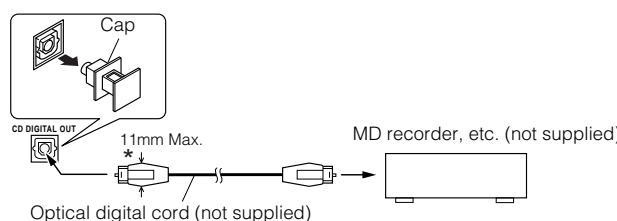


* Use the plug whose diameter is 11mm or less.

Connecting an MD Recorder, etc (Digital Output)

Unplug the cap and connect an optical digital cord (not supplied) between the System's CD DIGITAL OUT terminal and the input terminal of the MD recorder, etc.

You can record the digital output signal from the System's CD Player to the MD recorder, etc.

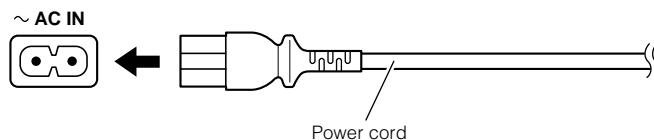


* Use the plug whose diameter is 11mm or less.

Getting Started

Connecting the AC Power Cord

Firmly insert the supplied AC power cord into the AC inlet on the back of the Unit.



CAUTIONS:

- ONLY USE THE JVC POWER CORD PROVIDED WITH THIS SYSTEM TO AVOID MALFUNCTION OR DAMAGE TO THE SYSTEM.
- BE SURE TO UNPLUG THE POWER CORD FROM THE OUTLET WHEN GOING OUT OR WHEN THE SYSTEM IS NOT IN USE FOR AN EXTENDED PERIOD OF TIME.

Now you can plug the AC power cord into the wall outlet, and your System is at your command!

Before operating, verify that the display shows the clock. If malfunctions may occur, re-connect the power cord.

COMPU Play

JVC's COMPU PLAY feature lets you control the most frequently used System functions with a single touch.

With One Touch Operation you can play a CD, turn on the radio, or listen to an external equipment with a single press of the play button for that function. One Touch Operation turns the power on for you, then starts the function you have specified. At the same time, the Top Cover moves backward to allow the Unit's top button operation. If the System is not ready (no CD in place), the System still powers on so you can insert a CD.

How One Touch Operation works in each case is explained in the section dealing with that function.

The COMPU PLAY buttons are:

On the Remote Control

CD ▶/II button

FM/AM button

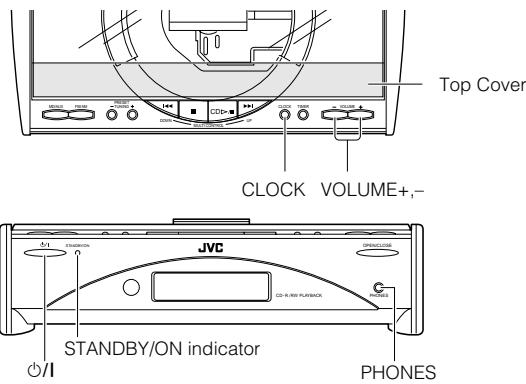
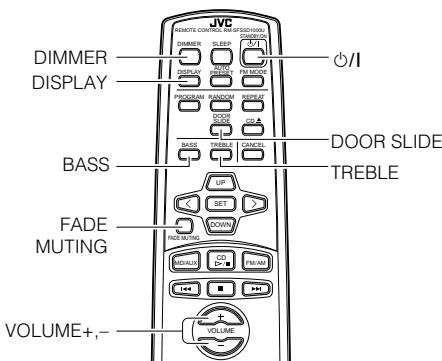
MD/AUX button

Automatic Power On

The System automatically turns on with the following operation.

- When you press the CD ▲ button on the Remote Control or the OPEN/CLOSE button on the Unit, the System automatically turns on and the Top Cover opens to allow CD setting. However, this operation does not change the function to CD. When you press the O/I button to turn off the System, the Top Cover will be automatically closed if it is opened.
- When you press the DOOR SLIDE button on the Remote Control, the System automatically turns on and the Top Cover moves backwards to allow button operation. When you press the O/I button to turn off the System, the Top Cover will automatically moves back to the original position, if it is in the backward position.

Basic Operations



Turning the Power On and Off

Turning the System On

Press the **Ø/I** button.

The Top Cover moves backward and the Unit's top buttons appear. The display comes on and "HELLO" is displayed once. The STANDBY/ON indicator lights in **green**. The System comes on ready to continue in the mode it was in when the power was last turned off.

- For example, if the last thing you were doing was listening to a CD, you are now ready to listen to a CD again. If you wish, you can change to another source.
- If you were listening to the Tuner last, the Tuner comes on playing the station it was last set to.

Turning the System Off

Press the **Ø/I** button again.

The Top Cover moves back to the original position. "GOOD BYE" is displayed and the display goes out, except for the clock display. The STANDBY/ON indicator lights in **red**.

- Some power is always consumed even though power is turned off (called Standby Mode).
- To switch off the System completely, unplug the AC power cord from the wall outlet. When you unplug the AC power cord, the clock will be reset to 0:00 after about 20 minutes.

Adjusting the Brightness (DIMMER)

You can adjust the brightness of the backlighting for the display.

When the System is Turned On

Each time you press the DIMMER button on the Remote Control, the brightness of the backlighting changes as follows:

Bright → Dark → (back to the beginning)

When the System is Turned Off (STANDBY MODE)

Each time you press the DIMMER button on the Remote Control, the brightness of the backlighting changes as follows:

**No backlighting → Dark backlighting
→ (back to the beginning)**



- When the System is turned off again after power on, the brightness in Standby mode will be restored to the previous one since the brightness setting in Standby mode is stored in memory.

Adjusting the Volume

Press the VOLUME + button to increase the volume or press the VOLUME - button to decrease it.

VOLUME 15

You can adjust the volume level between 0 and 50.

CAUTION:

- **DO NOT** turn off the System with the volume set to an extremely high level; otherwise a sudden blast of sound could damage your hearing, speakers and/or headphones when you turn on the System or start playing any source next time.
REMEMBER you cannot adjust the volume level while the System is in standby mode.

For private listening

Connect a pair of headphones to the PHONES jack. No sound comes out of the speakers.

Be sure to turn down the volume before connecting or putting on headphones.

Basic Operations

Fade-out Muting (FADE MUTING)

You can mute the output with one touch operation.

To mute the output, press the FADE MUTING button on the Remote Control. Then, the output will be faded out and becomes 0.

To release muting, press the FADE MUTING button once again. Then, the output will be faded in to the original level.

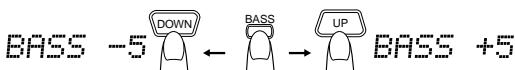
Tone Control (BASS/TREBLE)

You can control the tone by changing the bass and treble.

BASS Control

You can adjust the bass level (low frequency range level) between -5 and +5. (0: Flat)

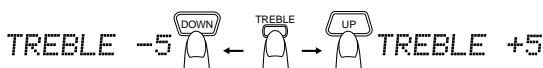
- 1 Press the BASS button on the Remote Control.
- 2 Press the UP or DOWN button on the Remote Control to adjust the bass level.



TREBLE Control

You can adjust the treble level (high frequency range level) between -5 and +5. (0: Flat)

- 1 Press the TREBLE button on the Remote Control.
- 2 Press the UP or DOWN button on the Remote Control to adjust the treble level.



Showing the Time (CLOCK/DISPLAY)

You can show the current time on the display.

To display the clock, press the CLOCK button on the Unit or DISPLAY button on the Remote Control.

To return to the previous mode, press the same button again.

7:00



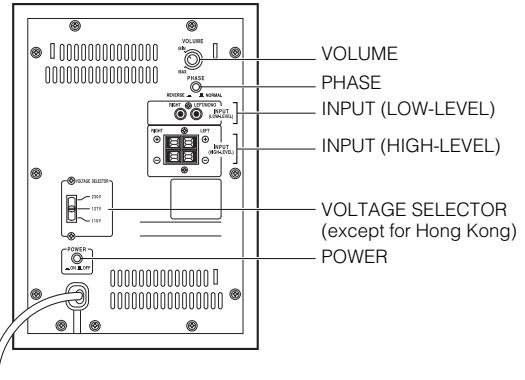
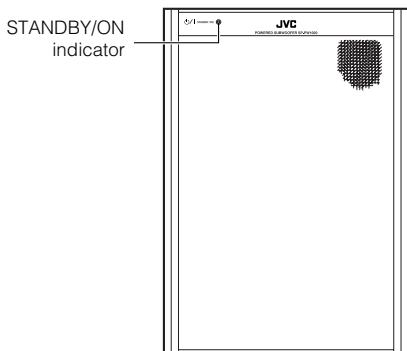
- To let the clock work, you need to set the clock first. (See "Setting the Clock" on page 18.)

Sliding the Top Cover (DOOR SLIDE)

Each time you press the DOOR SLIDE button on the Remote Control, the Top Cover slides back and forth.

Slide the Top Cover backward to allow Unit's top button operation. Slide it toward you to cover the buttons.

Using the Powered Subwoofer



Operating the Powered Subwoofer

Presetting the Volume

You need to preset the volume level of this speaker (SP-PW1000) to match those of the main speakers (SP-FSSD1000). Once you preset the volume level, it is stored as your reference level and the volume level of this speaker will be able to automatically change as the volume level of the Center Unit (CA-FSSD1000) changes.

1 Press the POWER button of the Subwoofer to turn on the power.

The STANDBY/ON indicator of the Subwoofer will light in **green**.

2 Set the VOLUME of the Subwoofer in the "MIN" position.

3 Adjust the volume of the Center Unit to your listening level.

4 Adjust the VOLUME of the Subwoofer to balance the volume with the main speakers.

To turn off the Subwoofer, press the POWER button to light off the STANDBY/ON indicator.

Adding the Richness to the Bass (PHASE)

If you want to add the richness more to the bass, press the PHASE button to set it either in the "REVERSE" position or the "NORMAL" position, whichever can add the richness to the bass.

Normally, the PHASE button should be set in the "NORMAL" position.

Automatic Operating Status On/Off

To save energy, the Subwoofer enters the Standby mode if no (or very weak) sound signals come into the Subwoofer for about 5 minutes. In Standby mode, the STANDBY/ON indicator of the Subwoofer lights in **red**.

When sound signals come in again, the Subwoofer enters the Operating mode and reproduces the sounds. The STANDBY/ON indicator will light in **green** again.

CAUTION:

- Be sure to turn off the POWER of the Powered Subwoofer when the Powered Subwoofer is not in use for an extended period of time.

INPUT Terminals

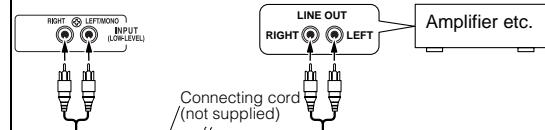
The Subwoofer has the following INPUT terminals.

INPUT(LOW-LEVEL):

Usually, the LEFT/MONO terminal is connected to the SUB WOOFER OUT terminals of the Center Unit with the supplied signal cord. (see page 7)

When the Center Unit CA-FSSD1000 is not used (Using other equipment)

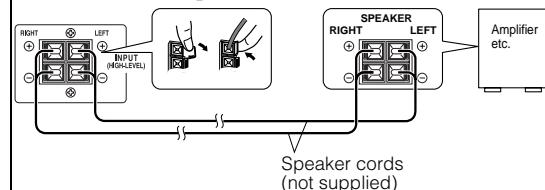
If an amplifier etc. to be connected does not have the SUB WOOFER OUT terminals, the RIGHT and LEFT/MONO terminals will be connected to the LINE OUT-RIGHT and LEFT terminals of that unit.



INPUT (HIGH-LEVEL):

You can connect the speaker output terminals of other amplifier etc. to these terminals.

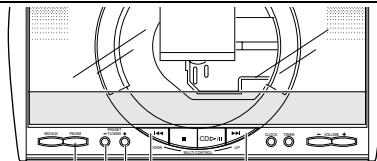
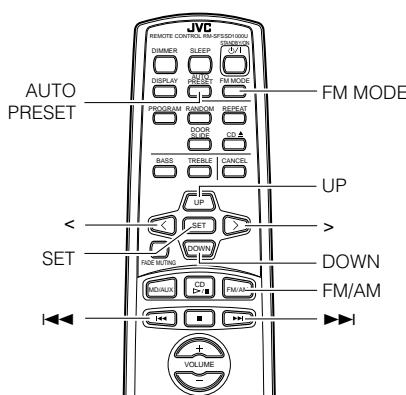
Connect the speaker cords in parallel to the speaker terminals on the amplifier etc.



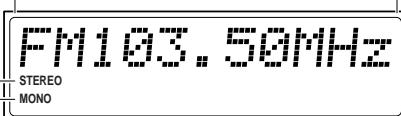
Note

- Do not use the INPUT (LOW-LEVEL) terminals and the INPUT (HIGH-LEVEL) terminals at the same time.

Using the Tuner

FM/AM
PRESET
TUNING+,-

Band display, Frequency display, Preset channel

FM mode
indicators

* When the System is in use, the display shows other items as well.
For simplicity, we show here only the items described in this section.

You can listen to FM and AM stations. Stations can be tuned in manually, automatically, or from preset memory storage.

■ Before listening to the radio:

- Make sure that both the FM and AM antennas are correctly connected. (See pages 4 and 5.)

Setting the AM Tuner Interval Spacing

When shipped, the AM tuner interval is set to 9 or 10 kHz spacing (Initial setting : UB/US...9 kHz, UW/UY...10 kHz). You can change it to 10 or 9 kHz spacing.

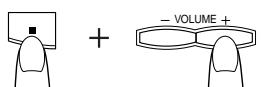
● Preparation to setting:

Turn on the power and press the FM/AM button to select FM or AM mode.

To select 10 kHz intervals, while holding down the ■ button on the Unit, press the VOLUME + button on the Unit. "AM 10kHz" will appear on the display (at the same time, the 100 kHz spacing is selected for FM broadcast).

To select 9 kHz intervals, while holding down the ■ button on the Unit, press the VOLUME - button on the Unit. "AM 9kHz" will appear on the display.

[10 kHz Intervals]

UB ... Hong Kong
US ... Singapore

[9 kHz Intervals]

UY ... Argentina
UW... Latin America
(except for Argentina)

Note

- When you change the setting, the preset stations are erased. You will need to preset the stations again. (See page 13.)

One Touch Radio

Just press the FM/AM button to turn on the System and start playing the station you were last tuned to.

- You can switch from any other sound source to the radio by pressing the FM/AM button.

Tuning In a Station

1 Press the FM/AM button.

The Band and Frequency you were last tuned to appear on the display.

(If the last station was selected using the preset number, the preset number appears first.)

Each time you press the button, the band alternates between FM and AM.



2 Select a station using one of the following methods.

● Manual Tuning

Press the \blacktriangleleft or \triangleright button on the Unit or the Remote Control repeatedly to move from frequency to frequency until you find the station you want.

OR

● Auto Tuning

If you press and hold the \blacktriangleleft or \triangleright button on the Unit or the Remote Control for one second or more, the frequency changes down, or up, automatically until a station is found.

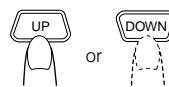
OR

● Preset Tuning using the Remote Control (Possible only after presetting stations)

Select the desired preset number using the UP, DOWN, > and < button on the Remote Control. After 1 second the display will show the preset number's band and frequency.

Example:

Press the UP button until the preset number 12 "P12" appears.

P 12 \rightarrow FM103.50MHz

(After 1 second)

● Preset Tuning using the Unit

Press the PRESET TUNING + or - button to select the desired preset number. Its band and frequency are displayed.



- In AM broadcast, reception sensitivity will be changed by turning the AM loop antenna. Turn the AM loop antenna for best reception.

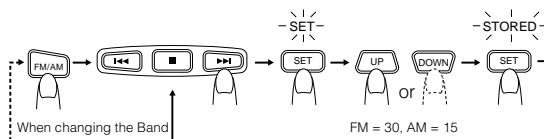
Presetting Stations

You can preset up to 30 FM stations and up to 15 AM stations **using the Remote Control**.



- Preset numbers may have been set to factory test frequencies prior to shipment. This is not a malfunction. You can preset the stations you want into memory by following one of the presetting methods below.

Manual Presetting



1 Select a band by pressing the FM/AM button.

2 Press the < or > button to tune in a station.

3 Press the SET button.

“SET” will blink for 5 seconds.

Within 5 seconds, proceed to the next step.

When the display returns to the one set in step 2 after 5 seconds, press the SET button again.

4 Press the UP, DOWN, >, or < button within 5 seconds to select the preset number.

UP or DOWN button: Increase or decrease the preset number by 1.

Pressing and holding the button will continuously increase or decrease the preset number.

> or < button:

Increase or decrease the preset number by 1. Pressing and holding the button will rapidly increase or decrease the preset number.

5 Press the SET button within 5 seconds.

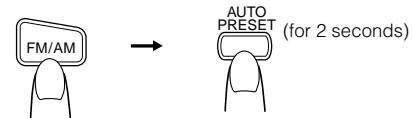
“STORED” appears and after 2 seconds, the display returns to the broadcast frequency display.

6 Repeat above steps 1 to 5 for each station you want to store in memory with a preset number.

To change the preset stations, repeat the same steps as above.

Auto Presetting

In each band, you can automatically preset FM-30, AM -15 stations. Preset numbers will be allocated as stations are found, starting from the lowest frequency and moving up the frequency.



1 Select a band by pressing the FM/AM button.

2 Press the AUTO PRESET button on the Remote Control for more than two seconds.

3 Repeat steps 1-2 for the other band.

■ If you want to change the preset stations, carry out the Manual Presetting for the desired preset numbers.

CAUTION:

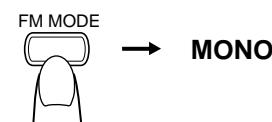
• Even if the system is unplugged or if the power failure occurs, the preset stations will be stored for about 24 hours. However, in case the preset stations are erased, you will need to preset the stations again.

To Change the FM Reception Mode

When you are tuned into an FM stereo broadcast, the “STEREO” indicator lights up and you can hear stereo effects.

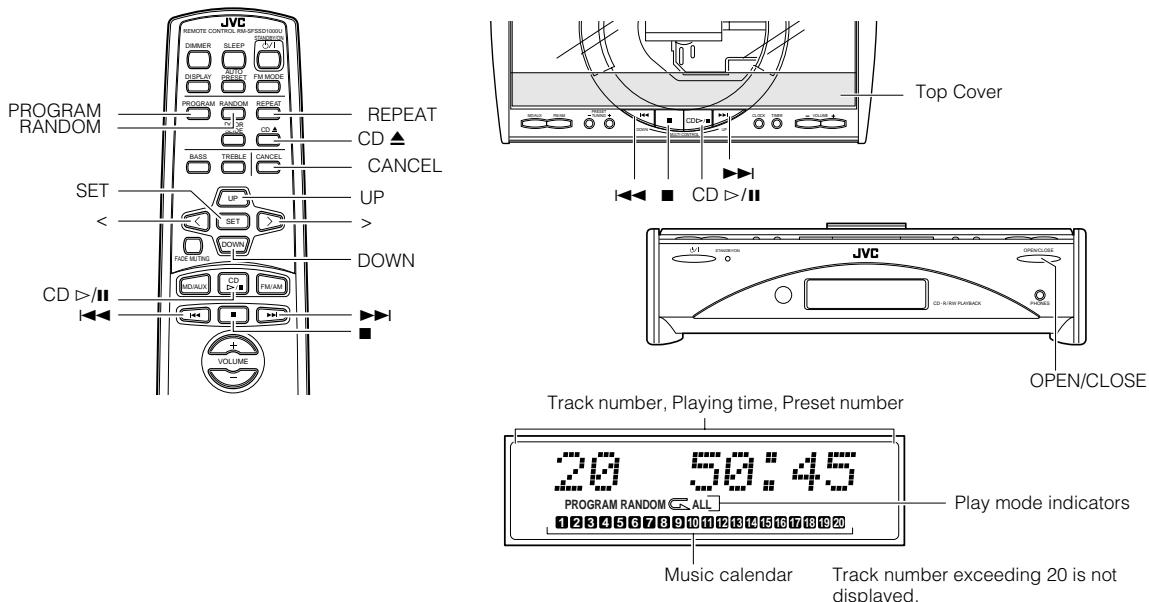
If an FM stereo broadcast is hard to receive or noisy, you can select Monaural mode. Reception improves, but you lose stereo effect.

Press the FM MODE button on the Remote Control so that the “MONO” indicator lights up on the display.



To restore the stereo effect, press the FM MODE button on the Remote Control so that the “MONO” indicator goes off.

Using the CD Player



* When the System is in use, the display shows other items as well.
For simplicity, we show here only the items described in this section.

You can use Normal, Random, Program or Repeat Play. Repeat Play can repeat all the tracks or just one of the tracks on the CD.

Here are the basic things you need to know to play a CD and locate the different tracks on it.

This unit has been designed only to playback the CDs bearing the marks.



When playing a CD-R or CD-RW

You can play back **finalized** CD-R or CD-RW recorded music CD format.

- You can play back CD-R or CD-RW like CD.
- Some CD-R or CD-RW may not be played back on this unit because of their disc characteristics, damage or stain on them, or if the player lens is dirty.
- The reflection factor of CD-RW is lower than that of other CD, possibly causing CD-RW to take longer to read.

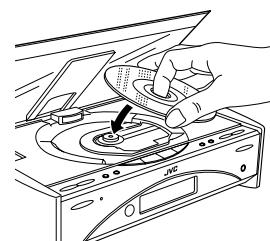
The Quickest Way To Start a CD Is With the One Touch Operation

- Press the CD ▷/II button on the Remote Control.
- The power is automatically turned on and the Top Cover moves backward to allow the Unit's top button operation. If a CD is already inserted, it will start playing from the first track.
- If no CD is inserted, "NO DISC" appears on the display and the CD Player remains in Stop mode.

To Insert a CD

- 1 Press the OPEN/CLOSE button on the Unit (or the CD ▲ button on the Remote Control).
The Top Cover opens.

- 2 Place a CD, with its label side up as shown below. Press down on the CD's center until you hear a click.



- 3 Press the OPEN/CLOSE button (or CD ▲ button) again to close the Top Cover.

• To close the Top Cover and play the CD, you can just press the CD ▷/II button.

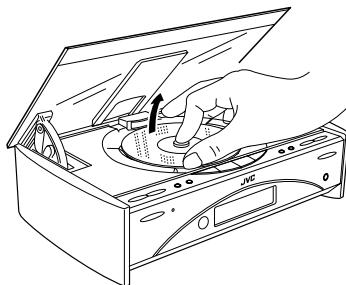
- You can place an 8 cm (3") CD without an adaptor.
- If the CD cannot be read correctly (because it is scratched, for example), "0:00" appears on the display.
- You can insert a CD while listening to the other source.

CAUTION:

- **DO NOT** try to open or close the Top Cover by hands as it will be damaged.

To Unload a CD

Take out the CD as shown below.



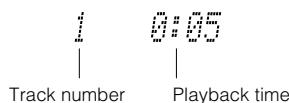
Basics of Using the CD Player-Normal Play

To Play a CD

1 Insert a CD.

2 Press the CD ▶/■ button.

The first track of the CD begins playing.



- The track number that has already played disappears from the music calendar.
- The CD Player automatically stops when the last track of the CD has finished playing.

To stop playing the CD, press the ■ button.

The following information for the CD is displayed.



To stop playing and remove the CD, press the OPEN/CLOSE button on the Unit or CD ▲ button on the Remote Control to open the Top Cover.

To pause, press the CD ▶/■ button. The playback time blinks on the display.

To cancel pause, press the same button again. Play continues from the point where it was paused.

To Select a Track or Passage within a Track

During playback, press the ▶◀ or ▶▶ (< or >) button to select the track you want.

- The selected track starts playing.
- Press the ▶▶ or > button once to skip to the beginning of the next track.
- Press the ▶◀ or < button to skip to the beginning of the track being played. Press twice quickly to skip to the beginning of the previous track.
- When the > or < button on the Remote Control is kept pressing, the track continuously skips.

Search Play

Holding down the ▶◀ or ▶▶ button, during playback, will fast forward/backwards the CD so you can quickly find a particular passage in the track you are listening to.

Programming the Playing Order of the Tracks

You can program the playing order of the tracks **using the Remote Control**.

- You can program up to 32 tracks in any desired order including the same tracks.
- You can only make a program when the CD Player is stopped.

1 Insert a CD.

2 Press the CD ▶/■ button.

3 Press the ■ button to stop the CD.

4 Press the PROGRAM button.

The System enters the programming mode and the "PROGRAM" indicator lights up.



5 Press the UP, DOWN, >, or < button to select the track to program.

UP or > button: Increases the track number by 1.
DOWN or < button: Decreases the track number by 1.

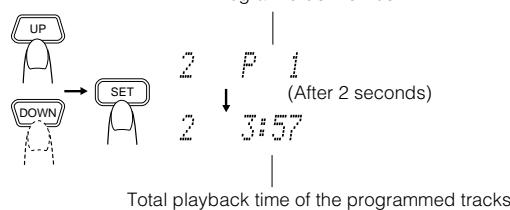
- When the > or < button is kept pressing, the track number changes rapidly.

(To be continued on the next page)

Using the CD Player

6 Press the SET button.

Program order number



7 Repeat steps 5 and 6 to select the other tracks for the program.

You can see the total playback time of programmed tracks on the display. Also, you can see the programmed tracks on the music calendar.

8 Press the CD ▷/II button.

The System plays the tracks in the order you have programmed them.

■ You can skip to a particular program track by pressing the ▶◀ or ▶▶ button during Program Play.

■ To stop playing, press the ■ button once.

To confirm the programmed tracks while the CD player is stopped, each time press the ▶◀ or ▶▶ button; the tracks making up the program will successively be displayed in the programmed order.

To delete all the tracks in the program, in stop mode, press the ■ button. Pressing the CD ▲ button to open the Top Cover will also clear the programmed tracks.

To exit the program mode once, while the CD Player is stopped, press the PROGRAM button to light off the "PROGRAM" indicator.

Notes

- If the total playback time of the programmed tracks exceeds 99 minutes 59 seconds, the total playback time will go out on the display.
- If you try to program the 33rd track, "MEMORY FULL" appears on the display for about 2 seconds.

To Modify the Program

Modify the contents of the program while the CD Player is stopped.

Each time you press the CANCEL button, the last track in the program is deleted. To add new tracks to the end of the program, repeat above steps 5 to 7.

Random Play

The tracks will play in no special order when you use this mode.

1 Press the RANDOM button on the Remote Control.

The "RANDOM" indicator lights up on the display.

2 Press the CD ▷/II button.

The tracks are played in random order.

To skip a track during playback, press the ▶▶ button to jump to the next track in the random sequence. Press the ▶◀ button to jump back to the start of a track being played. **To exit Random Play mode**, while the CD Player is stopped, press the RANDOM button to light off the "RANDOM" indicator and carry out Normal Play, or press the CD ▲ button to open the Top Cover.

Repeating Tracks

You can repeat all tracks or individual track, as many times as you like.

Press the REPEAT button on the Remote Control.

The Repeat indicator changes with each press of the button, as shown below.

→ → → ALL → blank display → (back to the beginning)

→ : Repeats one track.

→ ALL: In Normal Play mode, repeats all the tracks. In Program Play mode, repeats all the tracks in the program.

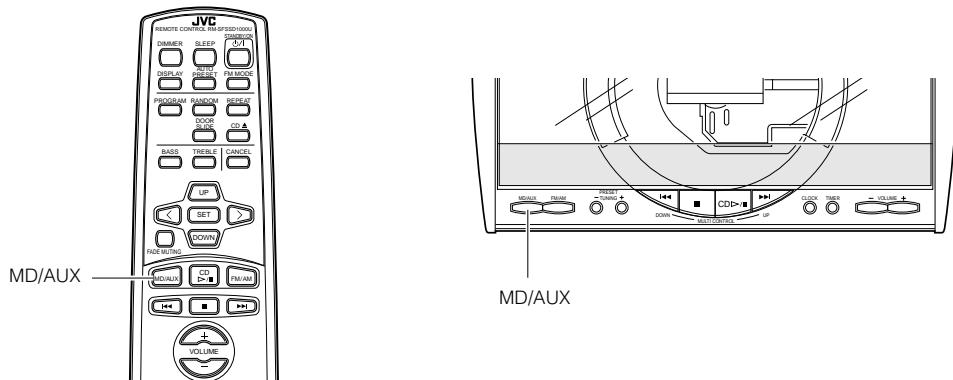
In Random Play mode, repeats all the tracks in random order.

To exit Repeat mode, press the REPEAT button until the Repeat indicator on the display goes out.

■ In Random Play, → cannot be selected.

■ Repeat mode remains in effect even when you change the play mode.

Using External Equipments



Listening to External Equipment

You can listen to external equipment such as MD recorder, turntable or other auxiliary.

- First make sure that the external equipment is properly connected to the System. (See page 7).

1 Set the VOLUME control to the minimum position.

2 Press the MD/AUX button.

“MD/AUX” appears on the display.

MD/AUX

3 Start playing the external equipment.

4 Adjust the VOLUME control to the desired listening level.

5 Apply sound effects, if you wish.

- Press the BASS/TREBLE button on the Remote Control to control the tone. (See “Tone Control” on page 10.)

To exit MD/AUX mode, you will automatically switch out of MD/AUX mode when you select another source.



- For operation of the external equipment, refer to its Instructions.

Recording the System's Source to External Equipment

You can record the System's source to external equipment which is connected to the MD/AUX-IN/OUT or CD DIGITAL OUT terminals of the System, such as cassette deck or MD recorder, etc.

- First make sure that the external equipment is properly connected to the System. (See page 7).

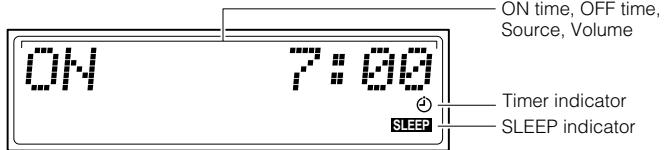
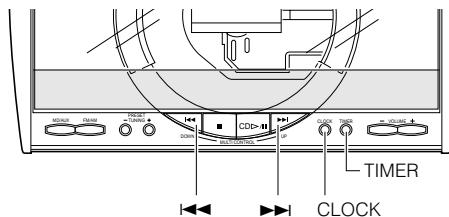
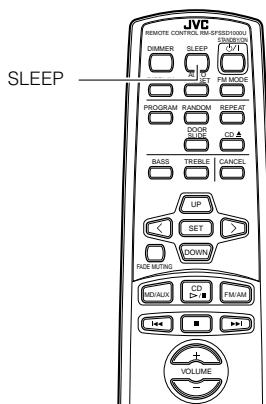
1 Play the System's CD Player or tune in to a station.

- The recording level is not affected by the VOLUME level set by the System. Also it is not affected by the sound effects.



- For operation of the external equipment, refer to its Instructions.

Using the Timers



* When the System is in use, the display shows other items as well. For simplicity, we show here only the items described in this section.

The timers let you control listening functions automatically.

Setting the Clock

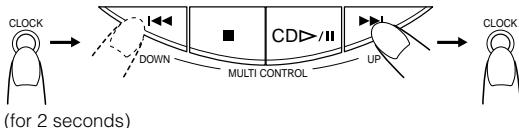
- Use the Unit's button to set the clock.
- When you plug the AC power cord into the wall outlet, the time indication "0:00" blinks on the display.



- The clock must be correctly set for the timers to work.
- The procedure must be completed within **two minutes**. Otherwise, the setting is cleared and must be repeated from the beginning.

1 Press the O/I button.

Then, the Unit's top buttons appear.



2 Press the CLOCK button on the Unit for more than two seconds.

The hour digit of the time indication rapidly blinks on the display.

3 Press the $\blacktriangleright\blacktriangleright$ or $\blacktriangleleft\blacktriangleleft$ button on the Unit to set the hour.

Pressing the $\blacktriangleright\blacktriangleright$ button moves the time forwards and pressing the $\blacktriangleleft\blacktriangleleft$ button moves it backwards. Hold down the button to move the time rapidly.

4 Press the CLOCK button.

The minute digits of the time indication rapidly blink on the display.

5 Press the $\blacktriangleright\blacktriangleright$ or $\blacktriangleleft\blacktriangleleft$ button to set the minute.

6 Press the CLOCK button.

The selected time is set and the seconds start counting from 0.

CAUTION:

- If there is a power failure, the clock loses its setting after about 20 minutes. "0:00" blinks on the display and the clock must be reset.



- The clock may gain or lose one to two minutes per month.

Setting the Daily Timer

Once you have set the Daily Timer, the timer will be activated at the same time every day.

The Timer indicator on the display shows that the Daily Timer you have set is in effect.

- Use the Unit's button to set the timer.



- Perform each setting within **30 seconds**. Otherwise, setting will be cleared and the procedure must be repeated from the beginning.

1 Setting the ON time (Example: 10:15).

1. Press the TIMER button on the Unit for more than two seconds.

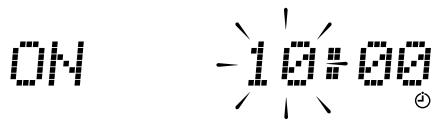
The Timer indicator lights up and the hour digit of the current ON time blinks on the display.

- When the clock is not set, "CLOCK" and "ADJUST" appear alternately on the display. Set the clock first.



Press the **►►** or **◀◀** button on the Unit to set the hour you want the Unit to come on.

Pressing the **►►** button moves the time forwards and pressing the **◀◀** button moves it backwards. Hold down the button to move the time rapidly.



2. Press the TIMER button.

The minute digits of the ON time blink on the display.



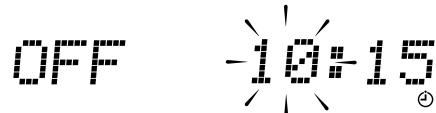
Set the minute you want the Unit to come on, using the **►►** or **◀◀** button.



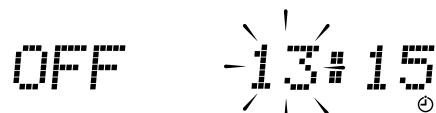
2 Setting the OFF time (Example: 13:30).

1. Press the TIMER button.

The hour digit of the OFF time blinks on the display. (The same time as the ON time will be automatically set.)



Set the hour you want the Unit to be turned off, using the **►►** or **◀◀** button.



2. Press the TIMER button.

The minute digits of the OFF time blink on the display.



Set the minute you want the Unit to be turned off, using the **►►** and **◀◀** buttons.



3 Selecting the music source.

1. Press the TIMER button.

The "TUNER" or "CD" blinks on the display.

2. Press the **►►** or **◀◀** button to select the music source you want to listen to.

The display changes as shown below.

TUNER↔CD↔(back to the beginning)

4 Setting the volume level.

1. Press the TIMER button.

The current volume setting blinks on the display.

2. Press the **►►** or **◀◀** button to select the volume level.

-- : The current volume level will be used.

0 to 50 : When the timer is turned on, the Volume will be automatically set to the selected level.



5 Press the TIMER button.

The timer setting is completed and the display returns to the display before you set the Timer. The Timer indicator remains lit.

6 Before turning off the System, prepare the music source selected in step 3.

TUNER: Tune in to the desired station.

CD: Insert a CD. (Playback will start from the first track at Timer on.)

7 Press the **Off/I** button to turn off the System.

In standby mode, you can see the Timer indicator (⊕) on the display.

- When the timer turns on, the Timer indicator starts blinking and the prepared source in step 6 will be played.

To cancel the timer, press the TIMER button. The Timer indicator (⊕) goes out on the display.

To re-activate the cancelled timer, press the TIMER button to light the Timer indicator (⊕).

At this time, you can see the current timer settings. Each setting appears on the display for two seconds in the order of ON time, OFF time, music source and volume.

To change the timer setting, repeat the setting procedure from the beginning.

CAUTION:

- If the System is unplugged, or a power failure occurs, the timer setting will be lost. You will need to reset the clock first, then the timer.

Setting the SLEEP Timer**(Using the Remote Control)**

Use the Sleep Timer to turn the System off after a certain number of minutes when it is playing. By setting the Sleep Timer, you can fall asleep to music and know that your System will turn off by itself rather than play all night.

- You can only set the Sleep Timer when the System is on and a source is playing.

1 Play a CD or tune in to the desired station.**2 Press the SLEEP button on the Remote Control.**

The “SLEEP” indicator lights up.

- When the clock is not set, “CLOCK” and “ADJUST” appear alternately on the display. Set the clock at first.

3 Set the length of time you want the source to play before shutting off.

- Each time you press the SLEEP button, it changes the number of minutes shown on the display in this sequence:

**10 → 20 → 30 → 60 → 90 → 120 → Cancelled →
(back to the beginning)**

The selected number of minutes for the Sleep Timer will stop blinking five seconds later and the display returns to the original one before setting the Sleep Timer. (The display is dimmed.)

The System is now set to turn off after the number of minutes you set.

To Confirm the Sleep Time:

When the SLEEP button is pressed, the remaining sleep time is displayed. Wait until the display returns to the original display.

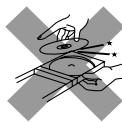
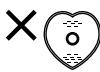
To Cancel the SLEEP Timer Setting:
Press the SLEEP button until the “SLEEP” indicator goes out on the display.
Turning off the System also cancels the SLEEP Timer.

- If you are setting the Daily Timer, the System will be turned on at the set time to wake you up.

Care And Maintenance

Handle your CDs carefully, and they will last a long time.

Compact Discs



- Only CDs bearing this mark can be used with this System. However, continued use of irregular shape CDs (heart-shape, octagonal, etc.) can damage the System.

- Remove the CD from its case by holding it at the edges while pressing the case's center hole lightly.
- Do not touch the shiny surface of the CD, or bend the CD.
- Put the CD back in its case after use to prevent warping.
- Be careful not to scratch the surface of the CD when placing it back in the case.
- Avoid exposure to direct sunlight, temperature extremes, and moisture.
- A dirty CD may not play correctly. If a CD does become dirty, wipe it with a soft cloth in a straight line from center to edge.

CAUTION:

- Do not use any solvent (for example, conventional record cleaner, spray thinner, benzine, etc.) to clean a CD.

General Notes

In general, you will have the best performance by keeping your CDs and the mechanism clean.

- Store CDs in their cases, and keep them in cabinets or on shelves.
- Keep the System's Top Cover closed when not in use.

Cleaning the unit

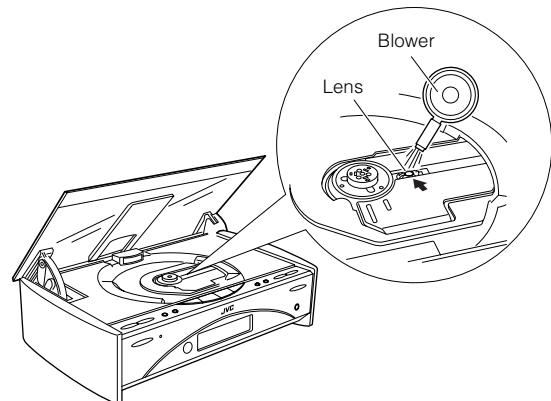
- Stains on the unit
Should be wiped off with a soft cloth. If the unit is heavily stained, wipe it with a cloth soaked in water-diluted neutral detergent and wrung well, then wipe clean with a dry cloth.
- Since the unit may deteriorate in quality, become damaged or get its paint peeled off, be careful about the followings.
 - DO NOT wipe it with a hard cloth.
 - DO NOT wipe it strong.
 - DO NOT wipe it with thinner or benzine.
 - DO NOT apply any volatile substance such as insecticides to it.
 - DO NOT allow any rubber or plastic to remain in contact with it for a long time.

Cleaning the Lens

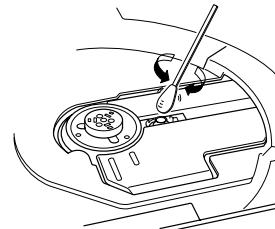
If the lens in the CD pickup is dirty, dropout, etc., could degrade sound.

Open the Top Cover and clean the lens as shown.

- Use a blower (available from a camera store) to blow dust off the lens.



- If there are fingerprints, etc. on the lens, gently wipe clean with a cotton swab.



Moisture Condensation



Moisture may condense on the lens inside the System in the following cases:

- After turning on heating in the room.
- In a damp room.
- If the System is brought directly from a cold to a warm place.

Should this occur, the System may malfunction. In this case, leave the System turned on for a few hours until the moisture evaporates, unplug the AC power cord, and then plug it in again.

Troubleshooting

- If you are having a problem with your System, check this list for a possible solution before calling for service.
- If you cannot solve the problem from the hints given here, or the System has been physically damaged, call a qualified person, such as your dealer, for service.

Symptom	Possible Cause	Action
No sound is heard.	<ul style="list-style-type: none"> • Connections are incorrect, or loose. • Headphones are connected. 	<ul style="list-style-type: none"> • Check all connections and make corrections. (See pages 4 to 8.) • Disconnect the headphones.
Poor radio reception	<ul style="list-style-type: none"> • The antenna is disconnected. • The AM Loop Antenna is too close to the System. • The FM Wire Antenna is not properly extended and positioned. 	<ul style="list-style-type: none"> • Reconnect the antenna securely. • Change the position and direction of the AM Loop Antenna. • Extend FM Wire Antenna to the best reception position.
The CD skips.	The CD is dirty or scratched.	Clean or replace the CD.
The CD does not play.	The CD is upside down.	Put the CD in with the label side up.
Unable to operate the Remote Control.	<ul style="list-style-type: none"> • The path between the Remote Control and the sensor on the Unit is blocked. • The batteries have lost their charge. 	<ul style="list-style-type: none"> • Remove the obstruction. • Replace the batteries.
Operations are disabled.	The built-in microprocessor has malfunctioned due to external electrical interference.	Unplug the System then plug it back in.
"NO DISC" or "0:00" appears.	There is no disc in the tray, or CD, CD-R or CD-RW that hasn't yet been finalized (including blank discs) has been inserted.	Insert a CD, CD-R or CD-RW that has been finalized.
Subwoofer automatically turns on, but no sound is output.	The volume knob of the Subwoofer is set to MIN position.	Adjust the volume knob.
Subwoofer does not automatically turn on.	The volume knob of the Subwoofer is set to MIN position. Also, the volume level of the Unit is low.	Adjust both volume levels.

Specifications

CA-FSSD1000 Amplifier

Output Power	38W (19 W + 19 W) at 4 Ω (Max.) (for Hong Kong only) 32W (16 W + 16 W) at 4 Ω (Max.) (except for Hong Kong)
Input Sensitivity/Impedance (1 kHz) MD/AUX IN	500 mV/47 kΩ
Output Sensitivity/Impedance (1 kHz) MD/AUX OUT	500 mV/5 kΩ
CD DIGITAL OUT (Optical out)	-21 dBm - -15 dBm
Speaker terminals	4 Ω - 16 Ω
Subwoofer out	440 mV/6 kΩ
Phones	16 Ω - 1 kΩ 0 - 15 mW/ch output into 32 Ω

CD Player

Signal-To-Noise Ratio	100 dB (typical) (94 dB (MIN))
Wow And Flutter	Unmeasurable

Tuner

FM Tuner	87.5 MHz - 108.0 MHz
Tuning Range	
AM Tuner	
Tuning Range	531 kHz - 1 710 kHz (at 9 kHz channel space) 530 kHz - 1 710 kHz (at 10 kHz channel space)

Power Specifications

Power Requirements	AC 110/127/230 V ~ adjustable with the voltage selector, 50/60 Hz (except for Hong Kong) AC 230 V, 50Hz (for Hong Kong only)
Power Consumption	25 W (power on mode) (for Hong Kong only) 26 W (power on mode) (except for Hong Kong) 1.9 W (in Standby mode) (for Hong Kong only) 1.6 W (in Standby mode) (except for Hong Kong)

Center Unit

Dimensions	300mm X 75mm X 215mm (W/H/D)
Mass	Approx. 3.0kg

Speaker Specifications (each unit) SP-FSSD1000

Speakers	9.5cm X 1cm dome
Impedance	4 Ω
Dimensions	125mm X 315mm X 125mm (W/H/D)
Mass	520g

Powered Subwoofer (SP-PW1000)

Speaker	Woofer 16 cm (4 Ω) X 1
Rated Impedance	4 Ω
Frequency Response	30 Hz - 280 Hz
Output sound pressure level	82 dB/W-m
Input sensitivity/Impedance	
LOW LEVEL	500 mV/50 kΩ
HIGH LEVEL	2.1 V/1 kΩ
Output Power	90 W at 4 Ω (Max.)
Power requirements	AC 110/127/230 V ~adjustable with the voltage selector, 50/60 Hz (except for Hong Kong) AC230 V, 50Hz (for Hong Kong only)

Power consumptions	30 W
Dimensions	226mm X 295mm X 315 mm (W/H/D)
Mass	7.7 kg

Accessories

Power Cord (1)	
AM Loop Antenna (1)	
Remote Control (1)	
Batteries R6P (SUM-3)/AA (15F) (2)	
FM Wire Antenna (1)	
Signal Cord (1)	
Spacers (4) (for SP-PW1000)	
AC Plug Adaptor (except for Hong Kong and Argentina) (1)	

Design and specifications are subject to change without notice.

Mains (AC) Line Instruction (not applicable for Hong Kong, Europe, U.S.A., Canada, Australia, and U.K.)

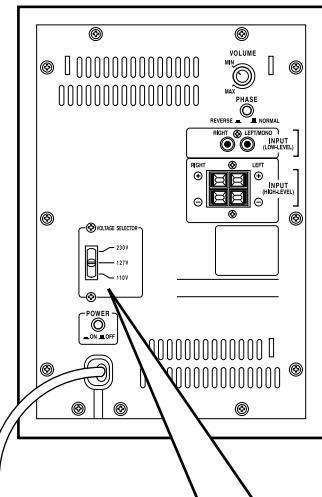
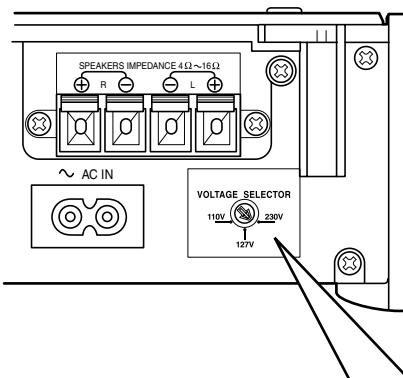
Instrucción sobre la línea de la red (CA) (no aplicable para Hong Kong, Europa, EE.UU., Canadá, Australia, ni el Reino Unido)

Instrução sobre a linha tronco da rede elétrica (CA) (não aplicável para Hong Kong, Europa, E.U.A., Canadá, Austrália e Reino Unido)

主 (AC) 电源线路说明 (不适用于香港欧洲美国加拿大澳洲及英国型号)

SP-PW1000

CA-FSSD1000



IMPORTANT for mains (AC) line

BEFORE PLUGGING IN, do check that your mains (AC) line voltage corresponds with the position of the voltage selector switch provided on the outside of this equipment and, if different, reset the voltage selector switch, to prevent from a damage or risk of fire/electric shock.

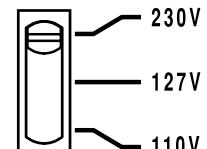
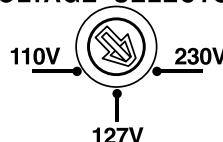
IMPORTANTE para la línea de la red (CA)

ANTES DE ENCHUFAR EL EQUIPO, compruebe si la tensión de la línea de la red (CA) corresponde con la posición del selector de tensión situado en la parte exterior del equipo, y si es diferente, reajuste el selector de tensión para evitar el riesgo de incendios/descargas eléctricas.

IMPORTANTE para a ligação à tensão da rede (CA)

ANTES DE LIGAR O APARELHO A UMA TOMADA DA REDE, verifique se a tensão da rede CA corresponde à posição do seletor de voltagem localizado na parte externa deste equipamento. Caso não corresponda, reajuste o seletor de voltagem a fim de evitar avarias ou riscos de incêndio e choque elétrico.

VOLTAGE SELECTOR



有关主 (AC) 电源线路的重要事项

接插电源以前, 务请检查当地的主 (AC) 电源线路电压是否位于本机外面的电压选择开关设定的位置一致。如果不一致, 即重新设定电压选择开关使其符和当地电压, 以免损坏机器或引起火灾/触电的危险。

JVC
VICTOR COMPANY OF JAPAN, LIMITED

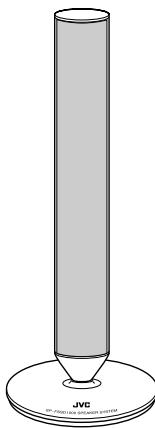
JVC



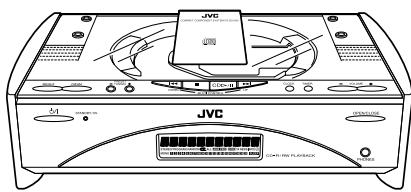
COMPACT COMPONENT SYSTEM

FS-SD1000

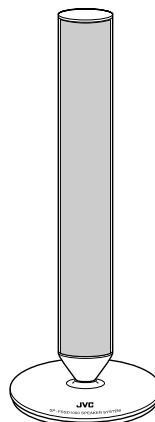
Consists of CA-FSSD1000, SP-FSSD1000 and SP-PW1000



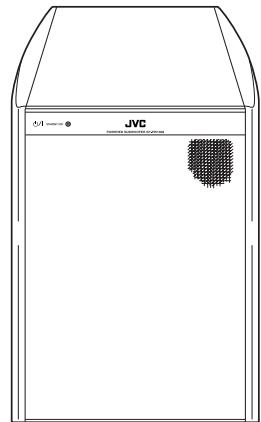
SP-FSSD1000



CA-FSSD1000



SP-FSSD1000



SP-PW1000

COMPACT
disc
DIGITAL AUDIO

INSTRUCTIONS

For Customer Use:

Enter below the Model No. and Serial No. which are located either on the rear, bottom or side of the cabinet. Retain this information for future reference.

Model No. _____

Serial No. _____

Warnings, Cautions and Others

Caution — **Ø/I switch!**

Disconnect the mains plug to shut the power off completely. The **Ø/I** switch in any position does not disconnect the mains line. The power can be remote controlled.

CAUTION

To reduce the risk of electrical shocks, fire, etc.:

- 1 Do not remove screws, covers or cabinet.
- 2 Do not expose this appliance to rain or moisture.

CAUTION

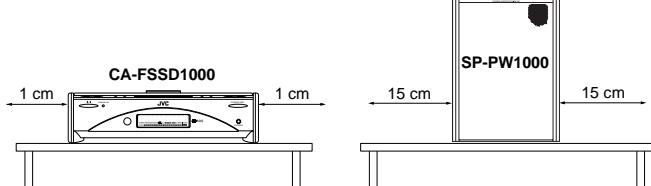
- 1 Do not block the ventilation openings or holes. (If the ventilation openings or holes are blocked by a newspaper or cloth, etc., the heat may not be able to get out.)
- 2 Do not place any naked flame sources, such as lighted candles, on the apparatus.
- 3 When discarding batteries, environmental problems must be considered and local rules or laws governing the disposal of these batteries must be followed strictly.
- 4 Do not use this apparatus in a bathroom or places with water. Also do not place any containers filled with water or liquids (such as cosmetics or medicines, flower vases, potted plants, cups, etc.) on top of this apparatus.

Caution: Proper Ventilation

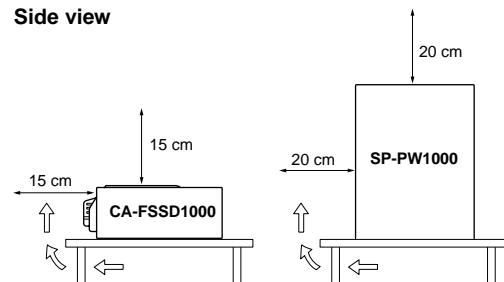
To avoid risk of electric shock and fire, and to prevent damage, locate the apparatus as follows:

- 1 Front: No obstructions and open spacing.
- 2 Sides/ Top/ Back: No obstructions should be placed in the areas shown by the dimensions below.
- 3 Bottom: Place on the level surface. Maintain an adequate air path for ventilation by placing on a stand with a height of 10 cm or more.

Front view



Side view



CAUTION

■ About the Internal Cooling Fan

This unit (CA-FSSD1000) includes an internal cooling fan, so as to allow for high-power operation within a small space.

This fan comes on when the sound level is set high, and may also come on even at low sound levels if the internal temperature rises. To ensure effective fan operation, please leave at least 15cm clearance between the rear of the unit and the wall, and at least 1cm clearance on each side of the unit.

IMPORTANT FOR LASER PRODUCTS

REPRODUCTION OF LABELS

- 1 CLASSIFICATION LABEL, PLACED ON EXTERIOR SURFACE



- 2 WARNING LABEL, PLACED INSIDE THE UNIT



- 1 CLASS 1 LASER PRODUCT

- 2 **CAUTION:** Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
- 3 **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the Unit; leave all servicing to qualified service personnel.

Introduction

Thank you for purchasing the JVC Compact Component System.
We hope it will be a valued addition to your home, giving you years of enjoyment.
Be sure to read this instruction manual carefully before operating your new stereo system.
In it you will find all the information you need to set up and use the system.
If you have a query that is not answered by the manual, please contact your dealer.

Features

Here are some of the things that make your System both powerful and simple to use.

- The controls and operations have been redesigned to make them very easy to use, freeing you to just enjoy the music.
 - With JVC's **COMPU PLAY** you can turn on the System and automatically start the Radio or CD Player with a single touch.
- The powered Subwoofer provides richness of bass in addition to faithful reproduction at low frequency.
- A 45-station preset capability (30 FM and 15 AM (MW/LW)) in addition to auto-seek and manual tuning.
- CD options that include repeat, random and program play.
- Timer functions; Daily Timer and Sleep Timer.
- You can connect various external units, such as an MD recorder.
- The system can play CD-R and CD-RW after they have been **finalized**.
- You can play back your original CD-R or CD-RW recorded in Music CD format. (However they may not be played back depending on their characteristics or recording conditions.)



How This Manual Is Organized

- Basic information that is the same for many different functions - e.g. setting the volume - is given in the section 'Basic Operations', and not repeated under each function.
- The names of buttons/controls and display messages are written in all capital letters: e.g. FM/AM, "NO DISC".
- System functions are written with an initial capital letter only: e.g. Normal Play.

Use the table of contents to look up specific information you require.

We have enjoyed making this manual for you, and hope it serves you in enjoying the many features built into your System.

WARNINGS

- **DO NOT PUT ANYTHING ON THE TOP COVER. IF THE SYSTEM IS OPERATED WITH SOMETHING PUT ON THE TOP COVER, IT WILL BE DAMAGED WHEN YOU TRY TO OPEN THE TOP COVER.**
- **NEVER REMOVE THE TOP COVER FROM THE UNIT. SERIOUS INJURY MAY OCCUR IF THE SYSTEM IS OPERATED WITHOUT THE TOP COVER.**
- **SUPPLIED SPEAKERS (SP-FSSD1000) ARE EXCLUSIVELY FOR THIS SYSTEM. USING WITH OTHER DEVICES WILL DAMAGE THE SPEAKERS.**

IMPORTANT CAUTIONS

1 Installation of the System

- Select a place which is level, dry and neither too hot nor too cold. (Between 5°C and 35°C or 41°F and 95°F.)
- Leave sufficient distance between the System and a TV.
- Do not use the System in a place subject to vibrations.

2 Power cord

- Do not handle the power cord with wet hands!
- Some power is always consumed as long as the power cord is connected to the wall outlet.
- When unplugging the System from the wall outlet, always pull the plug, not the power cord.

3 Malfunctions, etc.

- There are no user serviceable parts inside. In case of system failure, unplug the power cord and consult your dealer.
- Do not insert any metallic object into the System.
- Do not insert your hand between the Top Cover and the main body when the Top Cover is being closed.

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Getting Started

Accessories

Make sure that you have all of the following items, which are supplied with the System.

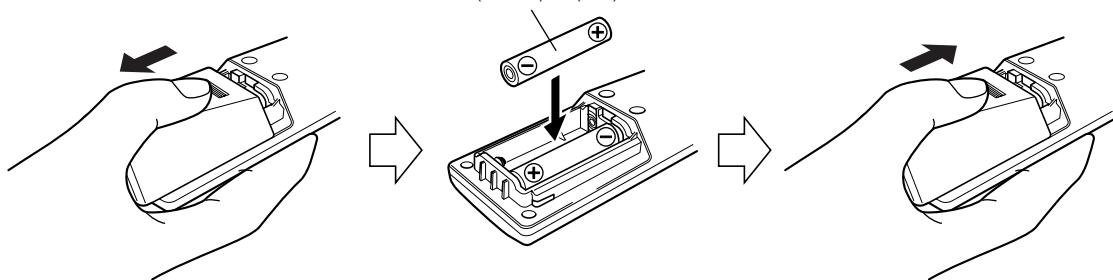
- Power Cord (1)
- AM Loop Antenna (1)
- Remote Control (1)
- Batteries (2)
- FM Wire Antenna (1)
- Signal Cord (1)
- Spacers (4) (For SP-PW1000)

If any of these items are missing, contact your dealer immediately.

How To Put Batteries In the Remote Control

Match the polarity (+ and –) on the batteries with the + and – markings in the battery compartment.

R6P(SUM-3)/AA(15F)



CAUTION:

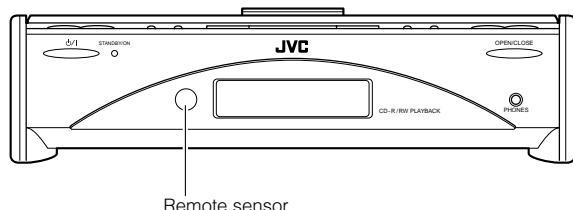
- Handle batteries properly.

- To avoid battery leakage or explosion:

- Remove batteries when the Remote Control will not be used for a long time.
- When you need to replace the batteries, replace both batteries at the same time with new ones.
- Do not use an old battery with a new one.
- Do not use different types of batteries together.

Using the Remote Control

The Remote Control makes it easy to use many of the functions of the System from a distance of up to 7m (23 feet) away. You need to point the Remote Control at the remote sensor on the System's front panel.

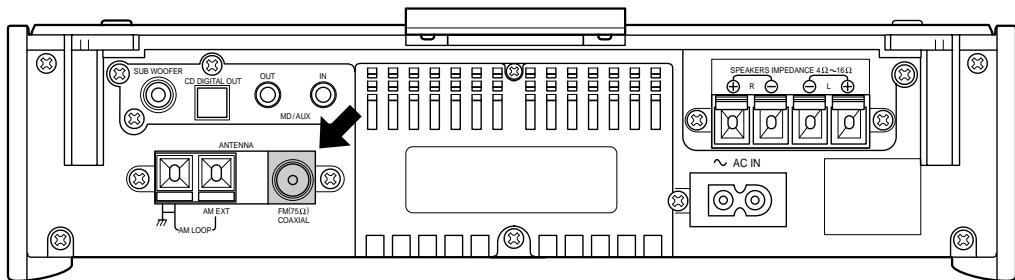


CAUTION:

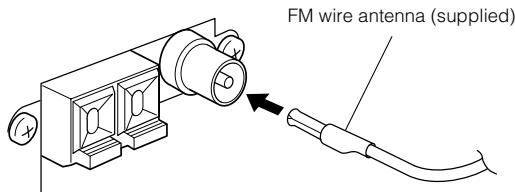
- Make all connections before plugging the System into an AC power outlet.

Connecting the FM Antenna

Rear Panel of the Center Unit (CA-FSSD1000)



Using the Supplied Wire Antenna

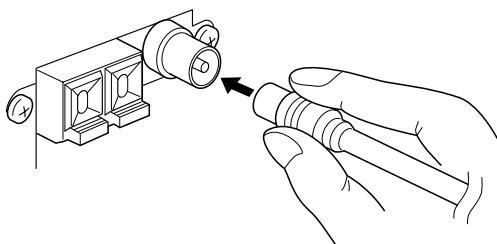


Note

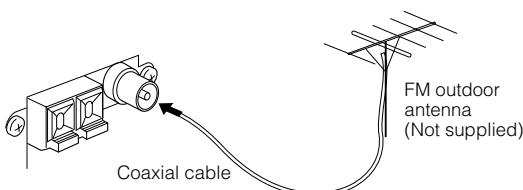
- Before attaching a 75Ω coaxial lead (the kind with a round wire going to an outdoor antenna), disconnect the supplied FM Wire Antenna.

Using the Coaxial Type Connector (Not Supplied)

A 75Ω antenna with coaxial type connector (IEC or DIN 45325) should be connected to the FM 75Ω COAXIAL terminal.

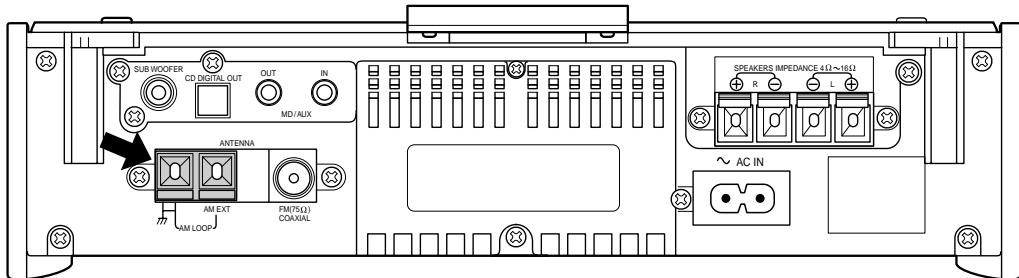


If reception is poor, connect the outdoor antenna.

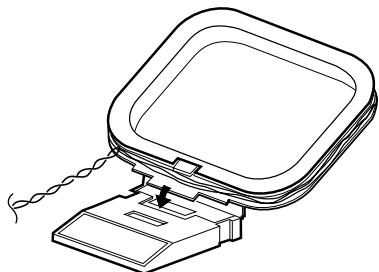


Connecting the AM (MW/LW) Antenna

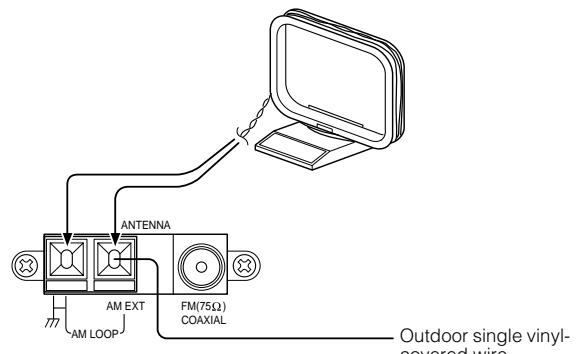
Rear Panel of the Center Unit (CA-FSSD1000)



AM loop antenna (Supplied)



Attach the AM loop to its base by snapping the tabs on the loop into the slot in the base.



Turn the loop until you have the best reception.

Notes

- If the AM loop antenna wire is covered with vinyl, remove the vinyl by twisting it as shown in the diagram.
- Make sure the antenna conductors do not touch any other terminals, connecting cords and power cord. This could cause poor reception.
- If reception is poor, connect an outdoor single vinyl-covered wire to the AM EXT terminal. (Keep the AM loop antenna connected.)



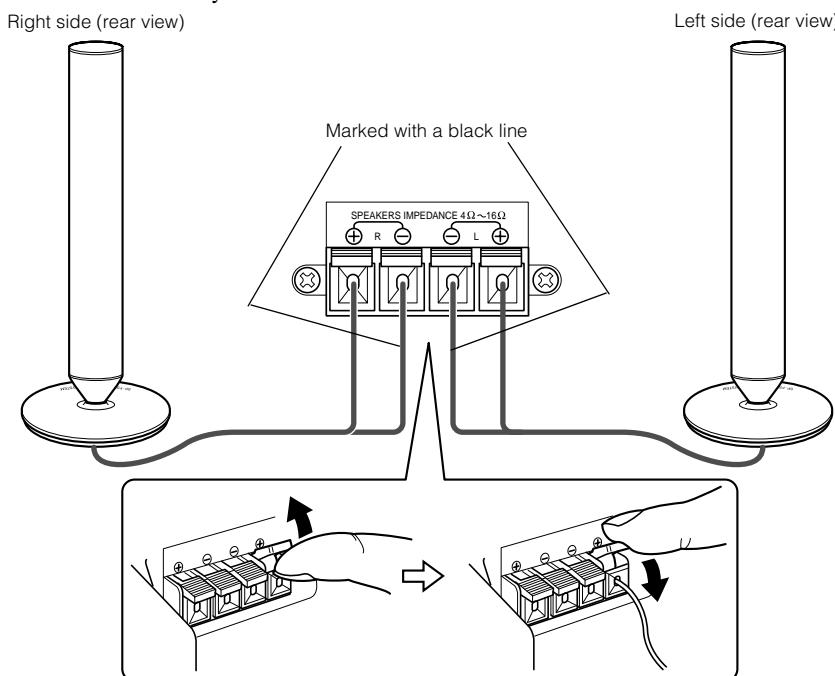
⚠ CAUTION:

- Make all connections before plugging the System into an AC power outlet.

Connecting the Speakers (SP-FSSD1000)

These speakers are exclusively for this system. Using with other devices will damage the speakers.

1. Open each of the terminals to connect the speaker wire leads.
2. Connect the speaker cords to the Speaker terminals of the Unit.
Connect the cords with a black line to the (–) terminals and cords without a black line to the (+) terminals.
3. Close each of the terminals to securely connect the cords.

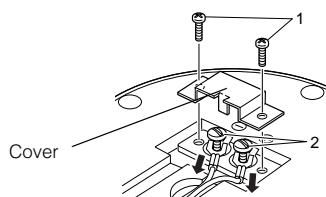


- Since both speakers are the same, you can put either one to the right or left side.

⚠ CAUTION:

- A TV may display irregular colors if located near the speakers. If this happens, set the speakers away from the TV.
- Take care not to short-circuit the wire leads for the speakers, as this will damage the center unit (CA-FSSD1000). We recommend that you use the high-quality speaker cord provided. However, if you want to use different cables, please observe the following.

- 1) Remove the screws on either side and remove the cover.
- 2) Loosen the terminal screws and remove the speaker cord.

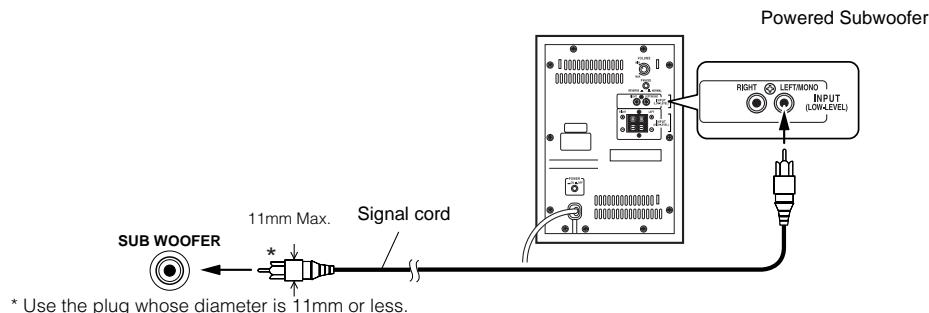


Warning

- To prevent short-circuits, always replace the cover.

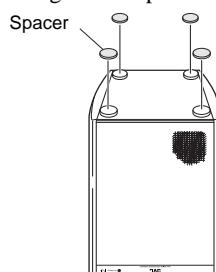
Connecting the Powered Subwoofer (SP-PW1000)

Connect a signal cord (supplied) between the System's SUBWOOFER terminal and the LEFT/MONO INPUT terminal of the Powered Subwoofer.



Attaching the Spacers

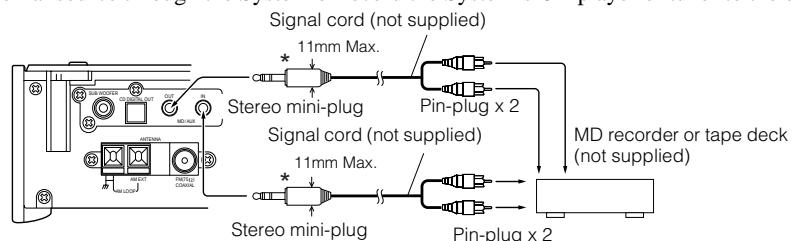
Attach the supplied spacers to the bottom of the powered subwoofer (SP-PW1000) to protect the cabinet, prevent slipping, and absorb the cabinet vibration. Peel off the backing from a spacer and attach it.



Connecting External Equipment

Connect signal cords (not supplied) between the System's MD/AUX-OUT/IN terminals and the output/input terminals of the external MD recorder, tape deck, etc.

You can then listen to the external source through the System or record the System's CD player or tuner to the external unit.

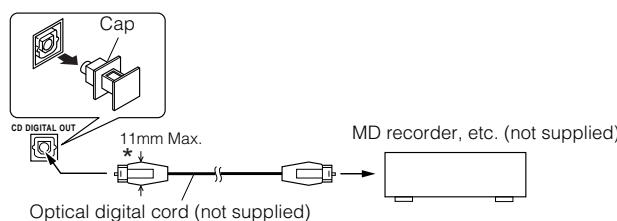


* Use the plug whose diameter is 11mm or less.

Connecting an MD Recorder, etc (Digital Output)

Unplug the cap and connect an optical digital cord (not supplied) between the System's CD DIGITAL OUT terminal and the input terminal of the MD recorder, etc.

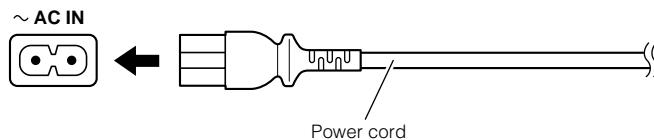
You can record the digital output signal from the System's CD Player to the MD recorder, etc.



* Use the plug whose diameter is 11mm or less.

Connecting the AC Power Cord

Firmly insert the supplied AC power cord into the AC inlet on the back of the Unit.



The provided AC power cord for this unit has certain one-way direction connections to prevent electric shock. Refer to the illustration for correct connection.

CAUTIONS:

- **ONLY USE THE JVC POWER CORD PROVIDED WITH THIS SYSTEM TO AVOID MALFUNCTION OR DAMAGE TO THE SYSTEM.**
- **BE SURE TO UNPLUG THE POWER CORD FROM THE OUTLET WHEN GOING OUT OR WHEN THE SYSTEM IS NOT IN USE FOR AN EXTENDED PERIOD OF TIME.**

Now you can plug the AC power cord into the wall outlet, and your System is at your command!

Before operating, verify that the display shows the clock. If malfunctions may occur, re-connect the power cord.

COMPU Play

JVC's COMPU PLAY feature lets you control the most frequently used System functions with a single touch.

With One Touch Operation you can play a CD, turn on the radio, or listen to an external equipment with a single press of the play button for that function. One Touch Operation turns the power on for you, then starts the function you have specified. At the same time, the Top Cover moves backward to allow the Unit's top button operation. If the System is not ready (no CD in place), the System still powers on so you can insert a CD.

How One Touch Operation works in each case is explained in the section dealing with that function.

The COMPU PLAY buttons are:

On the Remote Control

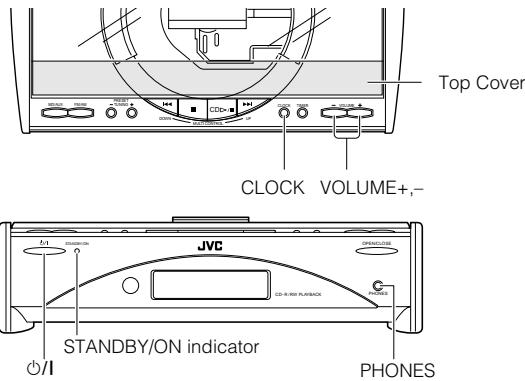
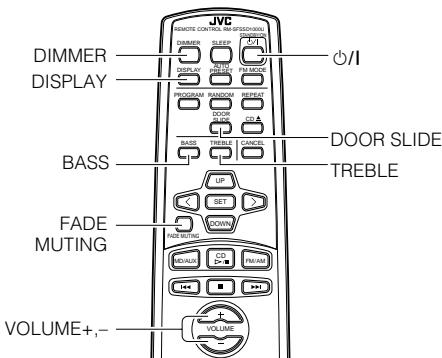
CD ▷/II button
FM/AM button
MD/AUX button

Automatic Power On

The System automatically turns on with the following operation.

- When you press the CD ▲ button on the Remote Control or the OPEN/CLOSE button on the Unit, the System automatically turns on and the Top Cover opens to allow CD setting. However, this operation does not change the function to CD.
When you press the ⓧ/I button to turn off the System, the Top Cover will be automatically closed if it is opened.
- When you press the DOOR SLIDE button on the Remote Control, the System automatically turns on and the Top Cover moves backwards to allow button operation.
When you press the ⓧ/I button to turn off the System, the Top Cover will automatically moves back to the original position, if it is in the backward position.

Basic Operations



Turning the Power On and Off

Turning the System On

Press the $\textcircled{O/I}$ button.

The Top Cover moves backward and the Unit's top buttons appear. The display comes on and "HELLO" is displayed once. The STANDBY/ON indicator lights in **green**. The System comes on ready to continue in the mode it was in when the power was last turned off.

- For example, if the last thing you were doing was listening to a CD, you are now ready to listen to a CD again. If you wish, you can change to another source.
- If you were listening to the Tuner last, the Tuner comes on playing the station it was last set to.

Turning the System Off

Press the $\textcircled{O/I}$ button again.

The Top Cover moves back to the original position. "GOOD BYE" is displayed and the display goes out, except for the clock display. The STANDBY/ON indicator lights in **red**.

- Some power is always consumed even though power is turned off (called Standby Mode).
- To switch off the System completely, unplug the AC power cord from the wall outlet. When you unplug the AC power cord, the clock will be reset to 0:00 after about 20 minutes.

Adjusting the Brightness (DIMMER)

You can adjust the brightness of the backlighting for the display.

When the System is Turned On

Each time you press the DIMMER button on the Remote Control, the brightness of the backlighting changes as follows:

Bright → Dark → (back to the beginning)

When the System is Turned Off (STANDBY MODE)

Each time you press the DIMMER button on the Remote Control, the brightness of the backlighting changes as follows:

**No backlighting → Dark backlighting
→ (back to the beginning)**



- When the System is turned off again after power on, the brightness in Standby mode will be restored to the previous one since the brightness setting in Standby mode is stored in memory.

Adjusting the Volume

Press the VOLUME + button to increase the volume or press the VOLUME - button to decrease it.

VOLUME 15

You can adjust the volume level between 0 and 50.



CAUTION:

- **DO NOT** turn off the System with the volume set to an extremely high level; otherwise a sudden blast of sound could damage your hearing, speakers and/or headphones when you turn on the System or start playing any source next time.
- **REMEMBER** you cannot adjust the volume level while the System is in standby mode.

For private listening

Connect a pair of headphones to the PHONES jack. No sound comes out of the speakers.

Be sure to turn down the volume before connecting or putting on headphones.

Fade-out Muting (FADE MUTING)

You can mute the output with one touch operation.

To mute the output, press the FADE MUTING button on the Remote Control. Then, the output will be faded out and becomes 0.

To release muting, press the FADE MUTING button once again. Then, the output will be faded in to the original level.

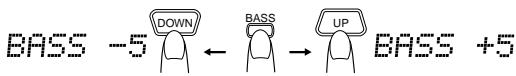
Tone Control (BASS/TREBLE)

You can control the tone by changing the bass and treble.

BASS Control

You can adjust the bass level (low frequency range level) between -5 and +5. (0: Flat)

- 1 Press the BASS button on the Remote Control.
- 2 Press the UP or DOWN button on the Remote Control to adjust the bass level.



TREBLE Control

You can adjust the treble level (high frequency range level) between -5 and +5. (0: Flat)

- 1 Press the TREBLE button on the Remote Control.
- 2 Press the UP or DOWN button on the Remote Control to adjust the treble level.



Showing the Time (CLOCK/DISPLAY)

You can show the current time on the display.

To display the clock, press the CLOCK button on the Unit or DISPLAY button on the Remote Control.

To return to the previous mode, press the same button again.

7:00



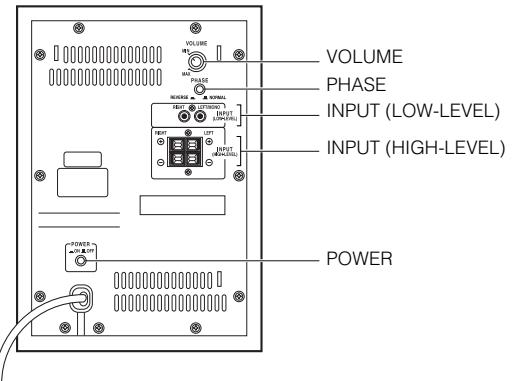
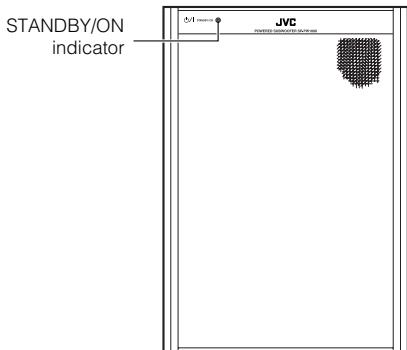
- To let the clock work, you need to set the clock first. (See "Setting the Clock" on page 18.)

Sliding the Top Cover (DOOR SLIDE)

Each time you press the DOOR SLIDE button on the Remote Control, the Top Cover slides back and forth.

Slide the Top Cover backward to allow Unit's top button operation. Slide it toward you to cover the buttons.

Using the Powered Subwoofer



Operating the Powered Subwoofer

Presetting the Volume

You need to preset the volume level of this speaker (SP-PW1000) to match those of the main speakers (SP-FSSD1000). Once you preset the volume level, it is stored as your reference level and the volume level of this speaker will be able to automatically change as the volume level of the Center Unit (CA-FSSD1000) changes.

1 Press the POWER button of the Subwoofer to turn on the power.

The STANDBY/ON indicator of the Subwoofer will light in **green**.

2 Set the VOLUME of the Subwoofer in the "MIN" position.

3 Adjust the volume of the Center Unit to your listening level.

4 Adjust the VOLUME of the Subwoofer to balance the volume with the main speakers.

To turn off the Subwoofer, press the POWER button to light off the STANDBY/ON indicator.

Adding the Richness to the Bass (PHASE)

If you want to add the richness more to the bass, press the PHASE button to set it either in the "REVERSE" position or the "NORMAL" position, whichever can add the richness to the bass.

Normally, the PHASE button should be set in the "NORMAL" position.

Automatic Operating Status On/Off

To save energy, the Subwoofer enters the Standby mode if no (or very weak) sound signals come into the Subwoofer for about 5 minutes. In Standby mode, the STANDBY/ON indicator of the Subwoofer lights in **red**.

When sound signals come in again, the Subwoofer enters the Operating mode and reproduces the sounds. The STANDBY/ON indicator will light in **green** again.

CAUTION:

- Be sure to turn off the POWER of the Powered Subwoofer when the Powered Subwoofer is not in use for an extended period of time.

INPUT Terminals

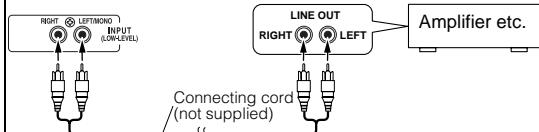
The Subwoofer has the following INPUT terminals.

INPUT(LOW-LEVEL):

Usually, the LEFT/MONO terminal is connected to the SUB WOOFER OUT terminals of the Center Unit with the supplied signal cord. (see page 7)

When the Center Unit CA-FSSD1000 is not used (Using other equipment)

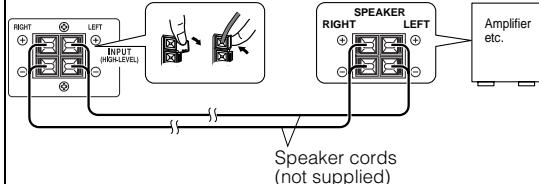
If an amplifier etc. to be connected does not have the SUB WOOFER OUT terminals, the RIGHT and LEFT/MONO terminals will be connected to the LINE OUT-RIGHT and LEFT terminals of that unit.



INPUT (HIGH-LEVEL):

You can connect the speaker output terminals of other amplifier etc. to these terminals.

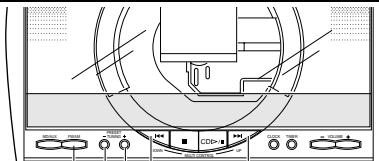
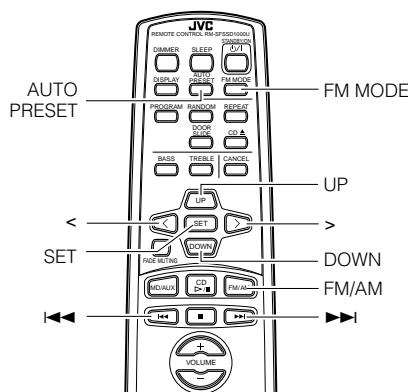
Connect the speaker cords in parallel to the speaker terminals on the amplifier etc.



Note

- Do not use the INPUT (LOW-LEVEL) terminals and the INPUT (HIGH-LEVEL) terminals at the same time.

Using the Tuner



FM/AM
PRESET
TUNING +,-

Band display, Frequency display, Preset channel



* When the System is in use, the display shows other items as well.
For simplicity, we show here only the items described in this section.

You can listen to FM and AM (MW/LW) stations. Stations can be tuned in manually, automatically, or from preset memory storage.

■ Before listening to the radio:

- Make sure that both the FM and AM (MW/LW) antennas are correctly connected. (See pages 4 and 5).

One Touch Radio

Just press the FM/AM button to turn on the System and start playing the station you were last tuned to.

■ You can switch from any other sound source to the radio by pressing the FM/AM button.

Tuning In a Station

1 Press the FM/AM button.

The Band and Frequency you were last tuned to appear on the display.

(If the last station was selected using the preset number, the preset number appears first.)

Each time you press the button, the band alternates between FM and AM (MW/LW).



2 Select a station using one of the following methods.

● Manual Tuning

Press the \blacktriangleleft or \triangleright button on the Unit or the Remote Control repeatedly to move from frequency to frequency until you find the station you want.

OR

● Auto Tuning

If you press and hold the \blacktriangleleft or \triangleright button on the Unit or the Remote Control for one second or more, the frequency changes down, or up, automatically until a station is found.

OR

● Preset Tuning using the Remote Control (Possible only after presetting stations)

Select the desired preset number using the UP, DOWN, $>$ and $<$ button on the Remote Control. After 1 second the display will show the preset number's band and frequency.

Example:

Press the UP button until the preset number 12 "P12" appears.



● Preset Tuning using the Unit

Press the PRESET TUNING + or - button to select the desired preset number.
Its band and frequency are displayed.



- In AM broadcast, reception sensitivity will be changed by turning the AM loop antenna. Turn the AM loop antenna for best reception.

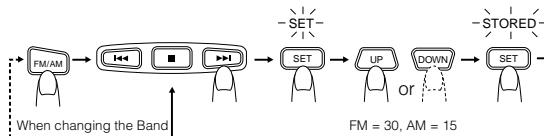
Presetting Stations

You can preset up to 30 FM stations and up to 15 AM (MW/LW) stations using the **Remote Control**.



- Preset numbers may have been set to factory test frequencies prior to shipment. This is not a malfunction. You can preset the stations you want into memory by following one of the presetting methods below.

Manual Presetting



- 1 Select a band by pressing the FM/AM button.
- 2 Press the **<<** or **>>** button to tune in a station.
- 3 Press the **SET** button.

“SET” will blink for 5 seconds. Within 5 seconds, proceed to the next step. When the display returns to the one set in step 2 after 5 seconds, press the **SET** button again.

- 4 Press the **UP**, **DOWN**, **>**, or **<** button within 5 seconds to select the preset number.

UP or DOWN button: Increase or decrease the preset number by 1.
Pressing and holding the button will continuously increase or decrease the preset number.

> or < button: Increase or decrease the preset number by 1.
Pressing and holding the button will rapidly increase or decrease the preset number.

- 5 Press the **SET** button within 5 seconds.

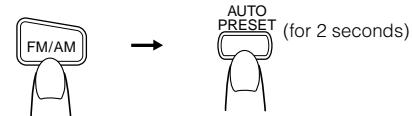
“STORED” appears and after 2 seconds, the display returns to the broadcast frequency display.

- 6 Repeat above steps 1 to 5 for each station you want to store in memory with a preset number.

To change the preset stations, repeat the same steps as above.

Auto Presetting

In each band, you can automatically preset FM-30, AM (MW/LW) -15 stations. Preset numbers will be allocated as stations are found, starting from the lowest frequency and moving up the frequency.



- 1 Select a band by pressing the FM/AM button.
- 2 Press the **AUTO PRESET** button on the **Remote Control** for more than two seconds.
- 3 Repeat steps 1-2 for the other band.

■ If you want to change the preset stations, carry out the Manual Presetting for the desired preset numbers.

CAUTION:

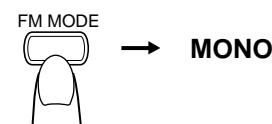
- Even if the system is unplugged or if the power failure occurs, the preset stations will be stored for about 24 hours. However, in case the preset stations are erased, you will need to preset the stations again.

To Change the FM Reception Mode

When you are tuned into an FM stereo broadcast, the “STEREO” indicator lights up and you can hear stereo effects.

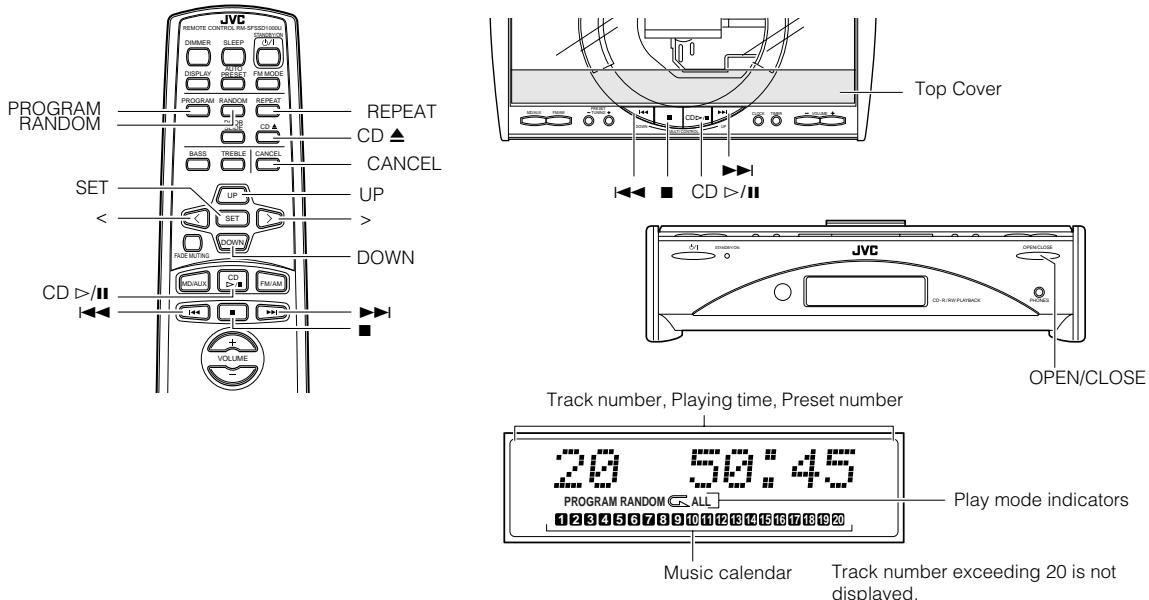
If an FM stereo broadcast is hard to receive or noisy, you can select Monaural mode. Reception improves, but you lose stereo effect.

Press the FM MODE button on the Remote Control so that the “MONO” indicator lights up on the display.



To restore the stereo effect, press the FM MODE button on the Remote Control so that the “MONO” indicator goes off.

Using the CD Player



* When the System is in use, the display shows other items as well.
For simplicity, we show here only the items described in this section.

You can use Normal, Random, Program or Repeat Play. Repeat Play can repeat all the tracks or just one of the tracks on the CD.

Here are the basic things you need to know to play a CD and locate the different tracks on it.

This unit has been designed only to playback the CDs bearing the marks.



When playing a CD-R or CD-RW

You can play back **finalized** CD-R or CD-RW recorded music CD format.

- You can play back CD-R or CD-RW like CD.
- Some CD-R or CD-RW may not be played back on this unit because of their disc characteristics, damage or stain on them, or if the player lens is dirty.
- The reflection factor of CD-RW is lower than that of other CD, possibly causing CD-RW to take longer to read.

The Quickest Way To Start a CD Is With the One Touch Operation

- Press the CD ▷/II button on the Remote Control.
- The power is automatically turned on and the Top Cover moves backward to allow the Unit's top button operation. If a CD is already inserted, it will start playing from the first track.
- If no CD is inserted, "NO DISC" appears on the display and the CD Player remains in Stop mode.

To Insert a CD

- 1 Press the OPEN/CLOSE button on the Unit (or the CD ▲ button on the Remote Control).
The Top Cover opens.

- 2 Place a CD, with its label side up as shown below. Press down on the CD's center until you hear a click.



- 3 Press the OPEN/CLOSE button (or CD ▲ button) again to close the Top Cover.

- To close the Top Cover and play the CD, you can just press the CD ▷/II button.

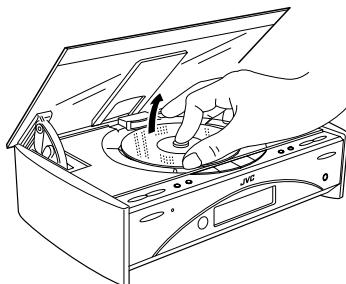
- You can place an 8 cm (3") CD without an adaptor.
- If the CD cannot be read correctly (because it is scratched, for example), "0:00" appears on the display.
- You can insert a CD while listening to the other source.

CAUTION:

- **DO NOT** try to open or close the Top Cover by hands as it will be damaged.

To Unload a CD

Take out the CD as shown below.



Basics of Using the CD Player-Normal Play

To Play a CD

1 Insert a CD.

2 Press the CD ▶/II button.

The first track of the CD begins playing.



- The track number that has already played disappears from the music calendar.
- The CD Player automatically stops when the last track of the CD has finished playing.

To stop playing the CD, press the ■ button.

The following information for the CD is displayed.



To stop playing and remove the CD, press the OPEN/CLOSE button on the Unit or CD ▲ button on the Remote Control to open the Top Cover.

To pause, press the CD ▶/II button. The playback time blinks on the display.

To cancel pause, press the same button again. Play continues from the point where it was paused.

To Select a Track or Passage within a Track

During playback, press the ▲ or ▼ (< or >) button to select the track you want.

- The selected track starts playing.
- Press the ▶ or ▷ button once to skip to the beginning of the next track.
- Press the ▲ or ▵ button to skip to the beginning of the track being played. Press twice quickly to skip to the beginning of the previous track.
- When the ▶ or ▷ button on the Remote Control is kept pressing, the track continuously skips.

Search Play

Holding down the ▲ or ▼ button, during playback, will fast forward/backwards the CD so you can quickly find a particular passage in the track you are listening to.

Programming the Playing Order of the Tracks

You can program the playing order of the tracks **using the Remote Control**.

■ You can program up to 32 tracks in any desired order including the same tracks.

■ You can only make a program when the CD Player is stopped.

1 Insert a CD.

2 Press the CD ▶/II button.

3 Press the ■ button to stop the CD.

4 Press the PROGRAM button.

The System enters the programming mode and the "PROGRAM" indicator lights up.



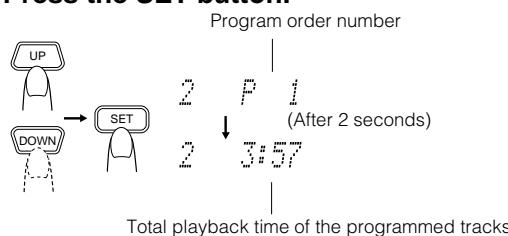
5 Press the UP, DOWN, >, or < button to select the track to program.

UP or > button: Increases the track number by 1.
DOWN or < button: Decreases the track number by 1.

- When the > or < button is kept pressing, the track number changes rapidly.

(To be continued on the next page)

6 Press the SET button.



7 Repeat steps 5 and 6 to select the other tracks for the program.

You can see the total playback time of programmed tracks on the display. Also, you can see the programmed tracks on the music calendar.

8 Press the CD ▷/II button.

The System plays the tracks in the order you have programmed them.

■ You can skip to a particular program track by pressing the ▶◀ or ▶▶ button during Program Play.

■ To stop playing, press the ■ button once.

To confirm the programmed tracks while the CD player is stopped, each time press the ▶◀ or ▶▶ button; the tracks making up the program will successively be displayed in the programmed order.

To delete all the tracks in the program, in stop mode, press the ■ button. Pressing the CD ▲ button to open the Top Cover will also clear the programmed tracks.

To exit the program mode once, while the CD Player is stopped, press the PROGRAM button to light off the "PROGRAM" indicator.

Notes

- If the total playback time of the programmed tracks exceeds 99 minutes 59 seconds, the total playback time will go out on the display.
- If you try to program the 33rd track, "MEMORY FULL" appears on the display for about 2 seconds.

To Modify the Program

Modify the contents of the program while the CD Player is stopped.

Each time you press the CANCEL button, the last track in the program is deleted. To add new tracks to the end of the program, repeat above steps 5 to 7.

Random Play

The tracks will play in no special order when you use this mode.

1 Press the RANDOM button on the Remote Control.

The "RANDOM" indicator lights up on the display.

2 Press the CD ▷/II button.

The tracks are played in random order.

To skip a track during playback, press the ▶▶ button to jump to the next track in the random sequence. Press the ▶◀ button to jump back to the start of a track being played. **To exit Random Play mode**, while the CD Player is stopped, press the RANDOM button to light off the "RANDOM" indicator and carry out Normal Play, or press the CD ▲ button to open the Top Cover.

Repeating Tracks

You can repeat all tracks or individual track, as many times as you like.

Press the REPEAT button on the Remote Control. The Repeat indicator changes with each press of the button, as shown below.

→ → → ALL → blank display → (back to the beginning)

→ : Repeats one track.

→ ALL: In Normal Play mode, repeats all the tracks. In Program Play mode, repeats all the tracks in the program.

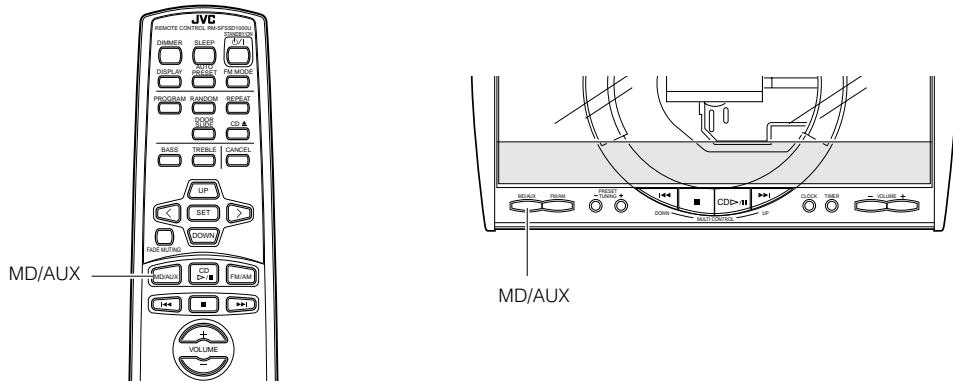
In Random Play mode, repeats all the tracks in random order.

To exit Repeat mode, press the REPEAT button until the Repeat indicator on the display goes out.

■ In Random Play, → cannot be selected.

■ Repeat mode remains in effect even when you change the play mode.

Using External Equipments



Listening to External Equipment

You can listen to external equipment such as MD recorder, turntable or other auxiliary.

- First make sure that the external equipment is properly connected to the System. (See page 7).

1 Set the VOLUME control to the minimum position.

2 Press the MD/AUX button.

“MD/AUX” appears on the display.

MD/AUX

3 Start playing the external equipment.

4 Adjust the VOLUME control to the desired listening level.

5 Apply sound effects, if you wish.

- Press the BASS/TREBLE button on the Remote Control to control the tone. (See “Tone Control” on page 10.)

To exit MD/AUX mode, you will automatically switch out of MD/AUX mode when you select another source.



- For operation of the external equipment, refer to its Instructions.

Recording the System's Source to External Equipment

You can record the System's source to external equipment which is connected to the MD/AUX-IN/OUT or CD DIGITAL OUT terminals of the System, such as cassette deck or MD recorder, etc.

- First make sure that the external equipment is properly connected to the System. (See page 7).

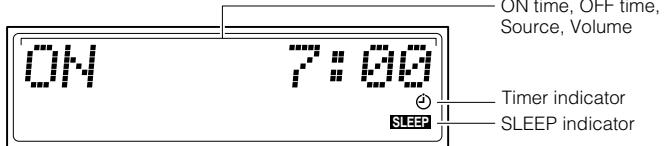
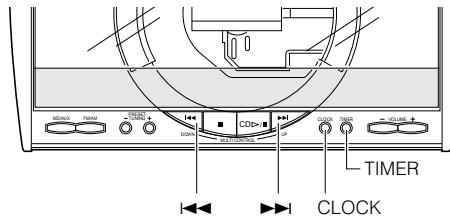
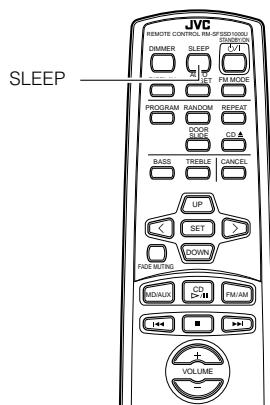
1 Play the System's CD Player or tune in to a station.

- The recording level is not affected by the VOLUME level set by the System. Also it is not affected by the sound effects.



- For operation of the external equipment, refer to its Instructions.

Using the Timers



* When the System is in use, the display shows other items as well. For simplicity, we show here only the items described in this section.

The timers let you control listening functions automatically.

Setting the Clock

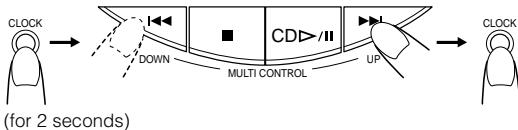
- Use the Unit's button to set the clock.
- When you plug the AC power cord into the wall outlet, the time indication "0:00" blinks on the display.



- The clock must be correctly set for the timers to work.
- The procedure must be completed within **two minutes**. Otherwise, the setting is cleared and must be repeated from the beginning.

1 Press the \odot/I button.

Then, the Unit's top buttons appear.



2 Press the CLOCK button on the Unit for more than two seconds.

The hour digit of the time indication rapidly blinks on the display.

3 Press the \gg or \ll button on the Unit to set the hour.

Pressing the \gg button moves the time forwards and pressing the \ll button moves it backwards. Hold down the button to move the time rapidly.

4 Press the CLOCK button.

The minute digits of the time indication rapidly blink on the display.

5 Press the \gg or \ll button to set the minute.

6 Press the CLOCK button.

The selected time is set and the seconds start counting from 0.

CAUTION:

- If there is a power failure, the clock loses its setting after about 20 minutes. "0:00" blinks on the display and the clock must be reset.



- The clock may gain or lose one to two minutes per month.

Setting the Daily Timer

Once you have set the Daily Timer, the timer will be activated at the same time every day.

The Timer indicator on the display shows that the Daily Timer you have set is in effect.

- Use the Unit's button to set the timer.



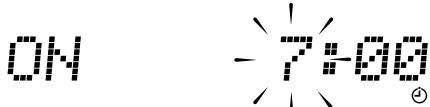
- Perform each setting within **30 seconds**. Otherwise, setting will be cleared and the procedure must be repeated from the beginning.

1 Setting the ON time (Example: 10:15).

1. Press the TIMER button on the Unit for more than two seconds.

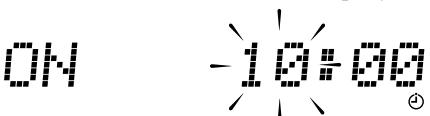
The Timer indicator lights up and the hour digit of the current ON time blinks on the display.

- When the clock is not set, “CLOCK” and “ADJUST” appear alternately on the display. Set the clock first.



Press the **►►** or **◀◀** button on the Unit to set the hour you want the Unit to come on.

Pressing the **►►** button moves the time forwards and pressing the **◀◀** button moves it backwards. Hold down the button to move the time rapidly.



2. Press the TIMER button.

The minute digits of the ON time blink on the display.



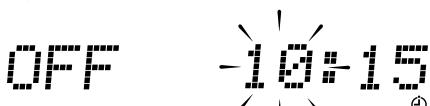
Set the minute you want the Unit to come on, using the **►►** or **◀◀** button.



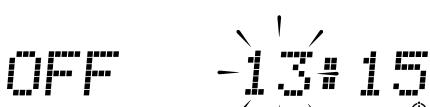
2 Setting the OFF time (Example: 13:30).

1. Press the TIMER button.

The hour digit of the OFF time blinks on the display. (The same time as the ON time will be automatically set.)



Set the hour you want the Unit to be turned off, using the **►►** or **◀◀** button.



2. Press the TIMER button.

The minute digits of the OFF time blink on the display.



Set the minute you want the Unit to be turned off, using the **►►** and **◀◀** buttons.



3 Selecting the music source.

1. Press the TIMER button.

The “TUNER” or “CD” blinks on the display.

2. Press the **►►** or **◀◀** button to select the music source you want to listen to.

The display changes as shown below.

TUNER↔CD↔(back to the beginning)

4 Setting the volume level.

1. Press the TIMER button.

The current volume setting blinks on the display.

2. Press the **►►** or **◀◀** button to select the volume level.

-- : The current volume level will be used.

0 to 50 : When the timer is turned on, the Volume will be automatically set to the selected level.



5 Press the TIMER button.

The timer setting is completed and the display returns to the display before you set the Timer. The Timer indicator remains lit.

6 Before turning off the System, prepare the music source selected in step 3.

TUNER: Tune in to the desired station.

CD: Insert a CD. (Playback will start from the first track at Timer on.)

7 Press the **Off/I** button to turn off the System.

In standby mode, you can see the Timer indicator (⊕) on the display.

- When the timer turns on, the Timer indicator starts blinking and the prepared source in step 6 will be played.

To cancel the timer, press the TIMER button. The Timer indicator (⊕) goes out on the display.

To re-activate the cancelled timer, press the TIMER button to light the Timer indicator (⊕).

At this time, you can see the current timer settings. Each setting appears on the display for two seconds in the order of ON time, OFF time, music source and volume.

To change the timer setting, repeat the setting procedure from the beginning.

⚠ CAUTION:

- If the System is unplugged, or a power failure occurs, the timer setting will be lost. You will need to reset the clock first, then the timer.

Setting the SLEEP Timer

(Using the Remote Control)

Use the Sleep Timer to turn the System off after a certain number of minutes when it is playing. By setting the Sleep Timer, you can fall asleep to music and know that your System will turn off by itself rather than play all night.

- You can only set the Sleep Timer when the System is on and a source is playing.

1 Play a CD or tune in to the desired station.

2 Press the SLEEP button on the Remote Control.

The “SLEEP” indicator lights up.

- When the clock is not set, “CLOCK” and “ADJUST” appear alternately on the display. Set the clock at first.

3 Set the length of time you want the source to play before shutting off.

- Each time you press the SLEEP button, it changes the number of minutes shown on the display in this sequence:

**10 → 20 → 30 → 60 → 90 → 120 → Cancelled →
(back to the beginning)**

The selected number of minutes for the Sleep Timer will stop blinking five seconds later and the display returns to the original one before setting the Sleep Timer. (The display is dimmed.)

The System is now set to turn off after the number of minutes you set.

To Confirm the Sleep Time:

When the SLEEP button is pressed, the remaining sleep time is displayed. Wait until the display returns to the original display.

To Cancel the SLEEP Timer Setting:

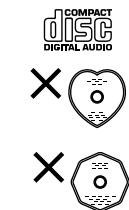
Press the SLEEP button until the “SLEEP” indicator goes out on the display.
Turning off the System also cancels the SLEEP Timer.

- If you are setting the Daily Timer, the System will be turned on at the set time to wake you up.

Care And Maintenance

Handle your CDs carefully, and they will last a long time.

Compact Discs



- Only CDs bearing this mark can be used with this System. However, continued use of irregular shape CDs (heart-shape, octagonal, etc.) can damage the System.

- Remove the CD from its case by holding it at the edges while pressing the case's center hole lightly.
- Do not touch the shiny surface of the CD, or bend the CD.
- Put the CD back in its case after use to prevent warping.
- Be careful not to scratch the surface of the CD when placing it back in the case.
- Avoid exposure to direct sunlight, temperature extremes, and moisture.
- A dirty CD may not play correctly. If a CD does become dirty, wipe it with a soft cloth in a straight line from center to edge.

CAUTION:

- Do not use any solvent (for example, conventional record cleaner, spray thinner, benzine, etc.) to clean a CD.

General Notes

In general, you will have the best performance by keeping your CDs and the mechanism clean.

- Store CDs in their cases, and keep them in cabinets or on shelves.
- Keep the System's Top Cover closed when not in use.

Cleaning the unit

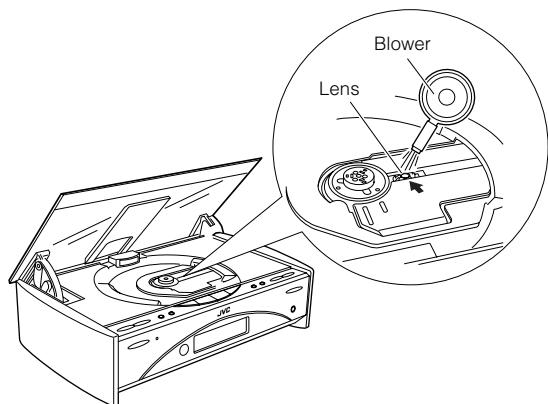
- Stains on the unit
Should be wiped off with a soft cloth. If the unit is heavily stained, wipe it with a cloth soaked in water-diluted neutral detergent and wrung well, then wipe clean with a dry cloth.
- Since the unit may deteriorate in quality, become damaged or get its paint peeled off, be careful about the followings.
 - DO NOT wipe it with a hard cloth.
 - DO NOT wipe it strong.
 - DO NOT wipe it with thinner or benzine.
 - DO NOT apply any volatile substance such as insecticides to it.
 - DO NOT allow any rubber or plastic to remain in contact with it for a long time.

Cleaning the Lens

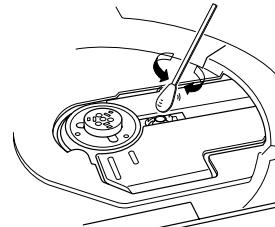
If the lens in the CD pickup is dirty, dropout, etc., could degrade sound.

Open the Top Cover and clean the lens as shown.

- Use a blower (available from a camera store) to blow dust off the lens.



- If there are fingerprints, etc. on the lens, gently wipe clean with a cotton swab.



Moisture Condensation



Moisture may condense on the lens inside the System in the following cases:

- After turning on heating in the room.
- In a damp room.
- If the System is brought directly from a cold to a warm place.

Should this occur, the System may malfunction. In this case, leave the System turned on for a few hours until the moisture evaporates, unplug the AC power cord, and then plug it in again.

Troubleshooting

- If you are having a problem with your System, check this list for a possible solution before calling for service.
- If you cannot solve the problem from the hints given here, or the System has been physically damaged, call a qualified person, such as your dealer, for service.

Symptom	Possible Cause	Action
No sound is heard.	<ul style="list-style-type: none"> • Connections are incorrect, or loose. • Headphones are connected. 	<ul style="list-style-type: none"> • Check all connections and make corrections. (See pages 4 to 8.) • Disconnect the headphones.
Poor radio reception	<ul style="list-style-type: none"> • The antenna is disconnected. • The AM Loop Antenna is too close to the System. • The FM Wire Antenna is not properly extended and positioned. 	<ul style="list-style-type: none"> • Reconnect the antenna securely. • Change the position and direction of the AM Loop Antenna. • Extend FM Wire Antenna to the best reception position.
The CD skips.	The CD is dirty or scratched.	Clean or replace the CD.
The CD does not play.	The CD is upside down.	Put the CD in with the label side up.
Unable to operate the Remote Control.	<ul style="list-style-type: none"> • The path between the Remote Control and the sensor on the Unit is blocked. • The batteries have lost their charge. 	<ul style="list-style-type: none"> • Remove the obstruction.
Operations are disabled.	The built-in microprocessor has malfunctioned due to external electrical interference.	<ul style="list-style-type: none"> • Replace the batteries.
"NO DISC" or "0:00" appears.	There is no disc in the tray, or CD, CD-R or CD-RW that hasn't yet been finalized (including blank discs) has been inserted.	Unplug the System then plug it back in.
Subwoofer automatically turns on, but no sound is output.	The volume knob of the Subwoofer is set to MIN position.	Insert a CD, CD-R or CD-RW that has been finalized.
Subwoofer does not automatically turn on.	The volume knob of the Subwoofer is set to MIN position. Also, the volume level of the Unit is low.	<ul style="list-style-type: none"> • Adjust the volume knob.
		<ul style="list-style-type: none"> • Adjust both volume levels.

Specifications

CA-FSSD1000

Amplifier

Output Power 38W (19 W + 19 W) at 4 Ω (Max.)
30W (15 W + 15 W) at 4 Ω (10% THD)

Input Sensitivity/Impedance (1 kHz)
MD/AUX IN 500 mV/47 kΩ

Output Sensitivity/Impedance (1 kHz)
MD/AUX OUT 500 mV/5 kΩ

CD DIGITAL OUT -21 dBm - -15 dBm
(Optical out)

Speaker terminals 4 Ω - 16 Ω
Subwoofer out 440 mV/6 kΩ

Phones 16 Ω - 1 kΩ
0 - 15 mW/ch output into 32 Ω

CD Player

Signal-To-Noise Ratio 100 dB (typical) (94 dB (MIN))
Wow And Flutter Unmeasurable

Tuner

FM Tuner
Tuning Range 87.5 MHz - 108.0 MHz
AM Tuner
Tuning Range (MW) 522 kHz - 1 629 kHz
(LW) 144 kHz - 288 kHz

Power Specifications

Power Requirements AC 240 V ~ , 50 Hz
Power Consumption 25 W (power on mode)
1.9 W (in Standby mode)

Center Unit

Dimensions 300mm X 75mm X 215mm (W/H/D)
Mass Approx. 3.0kg

Speaker Specifications (each unit) SP-FSSD1000

Speakers 9.5cm X 1cm dome
Impedance 4 Ω
Dimensions 125mm X 315mm X 125mm (W/H/D)
Mass 520g

Powered Subwoofer (SP-PW1000)

Speaker Woofer 16 cm (4 Ω) X 1
Rated Impedance 4 Ω
Frequency Response 30 Hz - 280 Hz
Output sound pressure level 82 dB/W-m
Input sensitivity/Impedance
LOW LEVEL 500 mV/50 kΩ
HIGH LEVEL 2.1 V/1 kΩ
Output Power 90 W at 4 Ω (Max.)
60 W at 4 Ω (10% THD)
AC 240 V ~, 50 Hz
Power requirements 30 W
Power consumptions 226mm X 295mm X 315 mm (W/H/D)
Dimensions 7.7 kg
Mass

Accessories

Power Cord (1)
AM Loop Antenna (1)
Remote Control (1)
Batteries R6P (SUM-3)/AA (15F) (2)
FM Wire Antenna (1)
Signal Cord (1)
Spacers (4) (for SP-PW1000)

Design and specifications are subject to change without notice.

